

Northeast Ohio Medical University

2026-2027 Catalog

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Admissions - University Admissions Information

Admissions

Ohio Resident Priority and Citizenship Status

NEOMED is a publicly chartered and funded university in the state of Ohio. Because of this public support, NEOMED gives admission preference to residents of the state of Ohio, as that term is defined by the Ohio Department of Higher Education. Approximately 85% of our incoming students are Ohio residents.

U.S. citizens, U.S. permanent residents, and students eligible for a J1 visa may apply for admission to the University at the time of publication; candidates must have such status upon acceptance. J1 Visa holders may apply for admission in the College of Pharmacy and the College of Graduate Studies. Admission to the College of Medicine and the College of Dentistry is not available to international students.

International students with F1 Visa status may, however, apply to the M.P.H. program through one of our consortium universities (Cleveland State University, Ohio University or Youngstown State University).

Admitted students interested in pursuing Ohio Residency status for tuition purposes are encouraged to read the conditions of eligibility, documentation expectations and application deadline information available on our **website**.

Advanced Standing (Professional Programs)

Advanced Standing is a term used to identify a transfer student into one of our professional degree programs. For additional details, please refer to the Advanced Standing (Transfer) Admission section for each professional program. Currently only the College of Pharmacy is accepting Advanced Standing Students.

Admissions - Bitonte College of Dentistry

Bitonte College of Dentistry

Admission consideration to the Doctor of Dental Surgery (D.D.S.) program is available for prospective students who have either completed an entire baccalaureate degree program or who are in the process of completing a bachelor's degree prior to D.D.S. matriculation. A bachelor's degree is required to begin study, but candidates are encouraged to apply for admission while coursework is in progress. Acceptance requires that candidates complete 30 semester hours of prerequisite coursework at a regionally accredited institution of higher education prior to matriculation into the D.D. S. program. Prerequisites may be in progress at the time of application and acceptance. All candidates for D.D.S. admission as first-year students (D1) must apply through the American Dental Education Association Associated American Dental Schools Application Service (ADEA AADSAS). All candidates should begin the dental school application process by first visiting adea.org/GoDental/. NEOMED will follow all applicable dates and deadlines associated with the 2026 – 2027 AADSAS admission cycle for pre-doctoral dental students.

NEOMED recommends that candidates preparing to apply for the Doctor of Dental Surgery program consult with the pre-dentistry/pre-health academic advisor at their current university well in advance prior to beginning the application process, to familiarize themselves with important policies, procedures, and deadlines one to two years prior to application. NEOMED will reference AADSAS academic data for all admission decisions. NEOMED also offers admission counseling appointments through the Office of Admissions for candidates to learn more about how to apply and review prerequisite coursework progress. Candidates are encouraged to utilize all academic update opportunities in AADSAS following initial application for admission in the event they complete additional coursework during the academic year when they are applying for the D.D.S. program. NEOMED also entertains applications from candidates with prerequisite coursework completed at international universities. Candidates with international coursework should follow AADSAS practices for coursework equivalency evaluation using a service such as World Education Services (W.E.S.) and submit transcripts and equivalency evaluations through AADSAS.

All candidates must successfully complete prerequisite coursework prior to matriculation to NEOMED as a first-year (D1) Doctor of Dental Surgery student. Candidates with prerequisite coursework in progress who are making progress toward timely completion are encouraged to apply for admission prior to completing all prerequisites rather than delaying application. Candidates with questions about pre-professional prerequisites are encouraged to speak with NEOMED admission counseling staff.

Admissions - Bitonte College of Dentistry

Prerequisite Courses for Admission

Prerequisite Courses for Admission Consideration into the Bitonte College of Dental Surgery program

REQUIRED PRE-PROFESSIONAL COURSES (SEMESTER HOURS)	SEMESTER CREDIT HOURS REQUIRED
Biology and Other Life Sciences course sequence with labs *Note: Students in curricular programs that do not require a two course Biological Science sequence may substitute an upper-division Biological Sciences course for the second course in the sequence. In this case, the requirement will be 7 hours and the second lab requirement waived.*	8
Inorganic (General) Chemistry course sequence with labs	8
Organic Chemistry course sequence with labs *Note: Assumes each organic chemistry course is 3 semester credit hours and each lab is one semester credit hour. In the event your university's curriculum varies, the intent is for students to complete the organic chemistry sequence with labs. Please consult the NEOMED admission staff with any curricular questions on the organic chemistry sequence*	8
General Physics course	3
Biochemistry course	3
Total Required Prerequisites	**30**

In addition to successful completion of prerequisite coursework with grades of “C – “ or better, the Bitonte College of Dentistry also **recommends** prospective students complete the following courses for D.D.S candidates to begin study with the most thorough possible academic background:

- 3 semester credit hours of statistics/health-studies related statistics
- 3 or 4 semester credit hours of math at the college algebra or calculus level
- 3 semester credit hours of microbiology
- 3 semester credit hours of cell biology
- 3 semester credit hours of biochemistry II

Admissions - Bitonte College of Dentistry

Admission Guidelines

Grade Point Averages

Admission to the Bitonte College of Dentistry D.D.S. program is holistic. However, sufficient academic preparation is required for the rigors of study in dental school. While there is no firm minimum grade point average for acceptance into the D.D.S program, we would suggest that, in most cases, students should plan to present no lower than a 3.00 overall undergraduate GPA and a 3.00 undergraduate GPA when science classes alone are averaged. We project an average undergraduate GPA of around 3.60. However, candidates who have completed applicable post-baccalaureate and/or graduate coursework at high attainment levels may wish to consider application even with undergraduate grades somewhat lower than those shared above. Many factors shape the holistic consideration of grade point averages. Trends showing that a student improved her or his grades after first-year college adjustment, changes of major and career goals, and individual student circumstances may all be considered to provide some latitude for candidates.

Dental Admission Test

Candidates for admission to the Bitonte College of Dentistry D.D.S. program shall present Dental Admission Test (DAT) results for acceptance consideration. DAT scores from tests taken within 3 years from February 1st of their admission cycle. For example, candidates planning to matriculate in 2026 should plan on presenting current DAT results from tests not administered prior to February 1, 2023. Interested candidates with older DAT scores must plan to re-take the DAT.

In keeping with holistic admission practice, there is no firm minimum DAT score, or sub-scores required for acceptance into the D.D.S program. NEOMED recommends a minimum score of 380 for all sections on the Dental Admission Test, with higher scores predicting better on-time progression to graduation. Candidates with higher DAT scores and grades are likely to receive more consideration for acceptance into a selective admission program such as dentistry.

Co-Curricular Experiences Outside the Classroom

Successful candidates for acceptance to the D.D.S. program in the Bitonte College of Dentistry are strongly encouraged to add experiences, activities, and recommendations in the form of evaluations to their academic achievements and DAT results as part of a holistic set of application credentials.

These recommended items include:

- Dental shadowing experiences are strongly recommended. Many dental school applicants spend about 40 hours shadowing dentists.
- Dental-related employment is encouraged if practical.
- Both campus-based science research and clinical research are not required, but they do provide a more advanced application of the role of scientific inquiry in the health professions. We recommend that candidates present some form of research or academic enrichment as part of a comprehensive co-curricular resume.
- Whether community or campus-based, active service in clubs, organizations, or service entities is encouraged for all candidates in some form to indicate a sense of service and giving back to the community.

Other Process Requirements

All candidates should plan to have a personal statement ready to submit in AADSAS. Be prepared to write a brief statement explaining why you want to pursue a dental career.

Candidates' recommendations are suggested but not required. Candidates may plan to submit up to four individual evaluations (or one committee recommendation) through AADSAS. Candidates for admission to the Bitonte College of Dentistry D.D.S program are encouraged to ask two individuals to complete a candidate evaluation for a total of two recommendations. We recommend that at least one evaluation is completed and submitted by a dental practitioner, and the second is completed by an academic professional, such as a faculty member or co-curricular advisor.

Candidates should prepare to enter all courses, course grades, experiences, shadowing experiences, awards, and activities in AADSAS at the time of application. For complete information, preparing to apply, please visit: https://help.liaisonedu.com/ADEA_AADSAS_Applicant_Help_Center

The Bitonte College of Dentistry does not require an affidavit or any other documentation certifying or attesting to the completion of shadowing hours or employment in a dental clinic or dental practitioners' setting. However, candidates are advised that NEOMED admission staff may spot verify and audit any dental experiences listed in candidates' AADSAS application experiences for verification purposes.

Candidate Interviews

Admission interviews, by invitation only, are a part of the candidate evaluation process to assist with a holistic review of the applicant. The Bitonte College of Dentistry Admissions Committee reviews applicant data after interviews and makes admission recommendations to the Bitonte College of Dentistry Dean, who exercises final admission decision authority along with the admission committee.

To apply to the D.D.S program, applicants are to complete the AADSAS application by no later than the annual AADSAS application deadline to submit an application and submit a complete set of official transcripts, DAT scores, and other required credentials and fees prior to the term of desired initial enrollment. When NEOMED reaches enrollment capacity, an alternate list will be established. Enrollment capacity may be reached without prior communication to candidates yet to apply.

The Bitonte College of Dentistry abides by ADEA AADSAS® Guidelines for Dental Schools When Extending Offers of Admission. These traffic rules are located on the ADEA.org website. Guidelines include notification response periods and policies related to applicants holding positions at multiple institutions. The practices for the Bitonte College of Dentistry are communicated on the NEOMED website and through direct communication to applicants. At the time of commitment to the Bitonte College of Dentistry, following accepting admission, candidates who are Ohio Residents should plan on remitting a $500 non-refundable deposit to affirm commitment and hold a seat. The non-refundable accepted student deposit fee for non-Ohio residents is $1,000.

Admissions - Bitonte College of Dentistry

Transfer Admission

Transfer Admission

The Bitonte College of Dentistry does not plan to accept applications from transfer students. Candidates with prior matriculation status to other dental schools may apply as new students with the expectation that they will begin study with new first-year D1 students and are subject to all of the same curricular and experiential requirements.

Admissions - Bitonte College of Dentistry

Readmission

Readmission

Former NEOMED students who leave the Bitonte College of Dentistry voluntarily and in good standing may apply for readmission. Candidates seeking readmission must complete the AADSAS admissions process by the annual admission deadline. Readmission candidates may be subject to other requirements that may be related to the circumstances of the length of absence. Readmission does not guarantee returning to the curriculum at the exact point of departure and may require the repeat of previously completed coursework. Interested applicants are encouraged to contact the Director of Admissions for additional information.

Admissions - Bitonte College of Dentistry

Official Transcript Requirement

Official Transcript Requirement

All candidates who matriculate into degree-granting programs in the Bitonte College of Dentistry at NEOMED are required to submit a final, official transcript for all previously attended colleges and universities to the Office of Admission. NEOMED works with common application services (CAS) during the application process, and while they are authorized to receive, process, and verify transcripts, admission fees, and other supporting credentials on behalf of NEOMED, they do not become part of the NEOMED student record. However, NEOMED is required by records policy to possess Official Transcripts received directly from issuing institutions and agencies that include all completed coursework by matriculating students.

Admissions - College of Graduate Studies

College of Graduate Studies

Graduate programs at NEOMED are designed to enhance the critical thinking, curiosity, and innovation of scientists, researchers, teachers, community leaders, and practitioners who apply these skills to bring about positive change in health care.

Admissions - College of Graduate Studies

Graduate Certificate Admission

Graduate Certificate Admission

Application information, including application deadlines and the link to the online application, may be found by visiting https://www.neomed.edu/graduatestudies/admissions/.

The following graduate certificate programs are offered:

Global Health

Health Data Science and AI

Health Research

Medical Ethics and Humanities

Public Health

Public Health Administration

Public Health Research

Students who meet the following criteria are encouraged to apply:

- Students who have successfully completed a bachelor's degree (or higher) from an accredited college or university with a minimum of a 3.0 GPA are eligible to apply to graduate certificate programs.
- Eligible students enrolled in the NEOMED College of Pharmacy program as outlined in the bachelor's degree equivalency policy.

The following credentials are required to submit a completed application:

- Updated resume or CV containing contact information, education, employment, scholarly activities, and licensure (if applicable).
- Personal statement (not necessary for public health certificates)
- One letter of recommendation (not necessary for public health certificates).
- Official transcripts from all institutions where courses have been taken, including both undergraduate and graduate courses
- Current NEOMED Students Only - a signed letter of good academic standing in your primary program from the Office of the Registrar

Admissions - College of Graduate Studies

Guest/Non-degree Student Admission

Guest/Non-degree Student Admission

The College of Graduate Studies permits non-degree seeking individuals to take graduate-level coursework on a limited basis. The Office of the Registrar coordinates the application process.

Non-degree seeking students must complete an application and be approved for participation in courses. Individuals accepted as non-degree seeking students are issued NEOMED email, Banner Self-Service and Canvas accounts to support their course enrollments but are not otherwise eligible for NEOMED student benefits.

Non-degree students are charged the current College of Graduate Studies per-credit-hour rate. A maximum of 12 credit hours may be earned in a non-degree seeking status. Applicability of coursework taken in a non-degree status toward a later degree or certificate will vary by program, should a student choose to apply for degree or certificate-seeking status later.

Prerequisites for admission:

- Must have an earned baccalaureate (or higher) degree.

Candidates must:

- Complete the NEOMED guest/non-degree admission student application a minimum of 4 weeks before the start of the semester.
- Submit an official transcript from institution where baccalaureate degree was conferred (potentially others for course pre-requisite checking).
- Submit personal statement (i.e., why you want to enroll as a guest/non-degree student).

Admissions - College of Graduate Studies

Basic and Translational Biomedicine Admission

Basic and Translational Biomedicine Admission (PhD - BTB or MS - BTB)

Application information, including application deadlines and the link to the online application, may be found by visiting https://www.neomed.edu/graduatestudies/admissions/.

General Admission Criteria for PhD and MS (either the two-year thesis option or the one-year capstone option)

Students who meet the following criteria are encouraged to apply:

- Hold a bachelor's degree (or higher) in the majors of chemistry, biochemistry, or the biological sciences, or a combination of preparatory study, such as for pre-pharmacy or pre-medicine.
- Have a minimum 3.0 undergraduate GPA and/or a 3.3 graduate GPA. Students with a 3.4 undergraduate GPA or above will be given preferential consideration for admission.

  Candidates not meeting these criteria may submit official GRE scores for admission consideration. Candidates interested in professional school enrollment following potential BTB degree completion should submit appropriate test scores if available (e.g., MCAT)

Optional Criteria

Students are highly recommended to have taken a full series of biology, chemistry, and physics with lab, college writing, genetics, cell biology, biochemistry, statistics, calculus, analytical chemistry, pharmacology, microbiology, and biotechnology.

The following credentials are required to submit a completed application:

- Complete the online admission application
- Official transcripts from all institutions where courses have been taken, including both undergraduate and graduate courses
- Updated CV containing contact information, education, employment, scholarly activities, and licensure (if applicable).
- Personal statement
- Two letters of recommendation (PhD)
- One letter of recommendation (MS)

Admissions - College of Graduate Studies

Master of Public Health Admission

Master of Public Health Admission (MPH)

Applications are through the common public health program application system, SOPHAS (https://sophas.org/). The program accepts fall, spring, and summer applications. Application deadlines are the following:

- Fall—August 1
- Spring—December 1
- Summer—May 1

The following credentials are required to submit a completed application. Please see the application instructions for the most current information.

1. Official transcripts from each institution of higher education that you have attended. If the official record is not in English, an official translation must accompany the original language document.

2. Two letters of recommendation from individuals familiar with your academic or professional background. Individuals who have not been involved in an academic institution for two years or more may submit letters of recommendation by supervisors from his/her place of employment. The letters should include an assessment of your current work quality and ability to successfully complete graduate training. Please address letters to the CEOMPH Admissions Committee.

3. A cover letter/personal statement (no more than two pages) explaining your educational and professional history; area of interest in public health, interest, and motivation for seeking an MPH degree; and professional or academic career plans upon completion of the program. If appropriate, also indicate whether you are applying to or are currently enrolled in another degree program (and indicate which university).

4. GRE scores taken within the last five years. The GRE requirements may be waived if the applicant has either 1) a bachelor's degree from an accredited U.S. institution with a cumulative GPA of 3.0 or higher or 2) a professional degree (master's or doctorate) in a related area. Official results from other equivalent standardized tests used for graduate admissions, also taken within the last five years, may be substituted. These accepted tests are the following: DAT, GMAT, MCAT, and PDAT. The minimum score that is desired is verbal and quantitative (or equivalent components) scores in the 40th percentile or above. Other documents, including transcripts, a cover letter, and recommendations, will also be carefully considered, in addition to the scores. Please use institutional code [Northeast Ohio Medical University - CEOMPH SOPHAS - 4753] in the designated area on your GRE application to ensure that the CEOMPH office receives your official scores.

5. TOEFL scores taken within the last two years from graduates of foreign universities who are non-native English speakers. The minimum score must be 550 (paper-based) or 213 (computer-based) or 79-80 with read/speak/listen=17, write=14 (Internet-based). Please use institutional code #5688--SOPHAS in the designated area on your TOEFL application to ensure that the CEOMPH office receives your official scores.

6. Application is through SOPHAS https://sophas.org/ --A nonrefundable $145 application fee for the first program and $55 for each additional program. A fee assistant program is available--a limited number of fee waivers are provided to qualified applicants on a first-come, first-served basis. Each fee waiver covers only the initial application fee, so if you wish to apply to additional programs, you are responsible for the remaining balance. If you received a fee waiver during a previous cycle, you may still apply for another in the next cycle. You may request a fee waiver as soon as you create an application, but keep in mind that fee waiver funds are quickly depleted. Contact customer service at 617-612-2090 before you submit a fee waiver request to determine if waivers are still available. Three types of fee waivers are financial-based, service-based, and international-based. For more information, click on SOPHAS Fees and Fee Waivers.

Criteria used by the Admissions Committee include a bachelor's degree from an accredited college or university, a minimum undergraduate GPA of 2.75, minimum graduate GPA of 3.00 out of a 4.00 scale, successful completion of a college level mathematics or statistics course and college level social or natural science course, and acceptable GRE score or another acceptable standardized test score (if appropriate). Two years of work experience in a relevant field is highly recommended but not required.

Admissions - College of Graduate Studies

Master of Arts in Medical Ethics and Humanities Admission

Master of Medical Ethics and Humanities Admission (MA - MEH)

Application information, including application deadlines and the link to the online application, may be found by visiting https://www.neomed.edu/graduatestudies/admissions/.

Students who meet the following criteria are strongly encouraged to apply:

- Students who have successfully completed a bachelor's degree (or higher) from an accredited college or university with a minimum of a 3.0 GPA
- Eligible students enrolled in the NEOMED College of Pharmacy program as outlined in the bachelor's degree equivalency policy.
- Students who have already completed the NEOMED Medical Ethics & Humanities Graduate Certificate Program.

The following credentials are required to submit a completed application:

- Complete the online admission application
- Hold up-to-date licensure, in the case of practicing professionals
- Updated CV containing contact information, education, employment, scholarly activities, and licensure (if applicable).
- Personal Statement.
- Letter of good academic standing (applicable to students and residents). A letter must be sent by the academic institution/residency director.
- One letter of recommendation.
- Official transcripts from all institutions where courses have been taken, including both undergraduate and graduate courses

Admissions - College of Graduate Studies

Master in Foundations of Medicine Admission

Master in Foundations of Medicine Admission (MFM)

Application information, including application deadlines and the link to the online application, may be found by visiting https://www.neomed.edu/graduatestudies/admissions/

Students who meet the following criteria are strongly encouraged to apply:

- Students who have successfully completed a bachelor's degree from an accredited college or university.
- Completed all prerequisite courses with a grade C or better
- Achieve a minimum of a 3.3 undergraduate GPA (3.5 recommended) and a 3.2 prerequisite GPA (3.3 recommended)
- Official MCAT score of at least 494 (499 or higher recommended)

The following credentials are required to submit a completed application:

1. Complete the online admissions application
2. Submit a current curriculum vitae (CV) containing contact information, education, employment, scholarly activities, and licensure (if applicable)
3. Submit a personal statement (Discuss an experience that has had an influence on your personal growth/perspective. Please discuss how the experience impacted your life trajectory/career goal)
4. Submit official transcripts from all institutions where you have been enrolled (both undergraduate and graduate courses).
5. A minimum of one (1) recommendation/evaluation attesting to readiness to enroll in graduate study. Recommendation must be academic in nature (e.g., faculty member).

Admissions - College of Graduate Studies

Master of Medical Science in Anesthesia Admission

Master of Medical Science in Anesthesia Admission (MMSc-A)

Application information, including application deadlines and the link to the online application, may be found by visiting: https://www.neomed.edu/graduatestudies/admissions/

Students who meet the following criteria are encouraged to apply:

1. Have earned a bachelor's degree.

2. Have maintained a cumulative GPA (undergraduate/post-bacc/graduate) of at least a 3.2 (3.70 recommended) and a prerequisite course GPA of at least 3.2 (3.50 recommended)

3. Have completed prerequisite coursework

4. Have either an MCAT score greater than 490 or a GRE score of 150 (Verbal), 150 (Quantitative), 4.0 (Analytical)

5. Have shadowed an anesthesia practitioner for a minimum of 8 hours (or provided an explanation of why shadowing could not be completed this cycle)

6. Complete the CASAA application for NEOMED.

7. Submit an updated curriculum vitae (CV)/resume containing contact information, education, employment, scholarly activities, and licensure (if applicable)

8. Submit official transcripts from all institutions where you have taken courses. This includes both undergraduate and graduate courses

9. Submit three letters of recommendation.

10. Must be a U.S. citizen or permanent resident to be eligible to apply

Admissions - College of Graduate Studies

Master of Science in Health Systems Science Admission

Master of Science in Health Systems Science Admission (MS - HSS)

Application information, including application deadlines and the link to the online application, may be found by visiting: https://www.neomed.edu/graduatestudies/admissions/

Students who meet the following criteria are encouraged to apply:

1. Have earned a bachelor's degree (or higher) from an accredited college or university.

2. Maintained an undergraduate GPA of at least 3.0.

3. Candidates interested in professional school enrollment following potential MS-HSS degree completion must submit appropriate test scores related to the professional school admission process (e.g., MCAT)

4. Up-to-date licensure, in the case of a practicing professional.

The following credentials are required to submit a completed application:

1. Complete the online admissions application.

2. Submit a personal statement; single-spaced, minimum one page, not to exceed 1500 words: *Why are you an ideal candidate? Why do you want to earn a degree/ in Health Systems Science?* Personal statements will be evaluated by the program admissions committee.

3. Submit an updated curriculum vitae (CV)/resume containing contact information, education, employment, scholarly activities, and licensure (if applicable)

4. Submit official transcripts from all institutions you have taken courses at. This includes both undergraduate and graduate courses.

5. Submit at least one letter of recommendation from previous or current faculty, mentors, or colleagues *(Letter must not come from family members or friends, or from educators/mentors before your undergraduate education)*

Admissions - College of Graduate Studies

Master of Health Innovation and Design Admission

Master of Health Innovation and Design Admission (MS - HID)

Global and Underserved Health Systems Concentration

Medical Device Innovation Concentration

Application information, including application deadlines and the link to the online application, may be found by visiting https://www.neomed.edu/graduatestudies/admissions/

Students who meet the following criteria are strongly encouraged to apply:

1. Have earned a bachelor's degree (or higher) from an accredited college or university, or be an eligible student enrolled in the College of Pharmacy program as outlined in the bachelor's degree equivalency policy

2. Provide an updated curriculum vitae (CV) containing contact information, education, employment, scholarly activities, and licensure (if applicable)

3. Provide a personal statement explaining why you wish to pursue this program of study and how the program would further your professional goals (1,500 words maximum). Be sure to specify the program concentration of your interest, either the Global and Underserved Health Systems Concentration or the Medical Device Innovation Concentration.

4. Provide official transcripts from all institutions at which you have taken courses. This includes both undergraduate and graduate courses.

5. Provide one recommendation. Recommendations/evaluations must be submitted through the online application system.

6. For current NEOMED students only: Please include in your application a signed letter of good academic standing in your primary program from the Office of the Registrar.

Admissions - College of Graduate Studies

Master of Science in Mental Health Practice Admission

Master of Science in Mental Health Practice Admission (MS - MHP)

NEOMED's Master of Science in Mental Health Practice (MS-MHP) master's degree will prepare you for a meaningful career in mental health care. Over two years, you will receive focused training that combines classroom learning with hands-on experience in real-world settings. You'll learn how to support individuals experiencing mental illness and substance use disorders, working as part of an expert care team.

Graduates of the MS-MHP program are prepared for roles in:

- inpatient psychiatric units

- outpatient mental health clinics

- primary care clinics

- community mental health organizations

For more information, please visit: https://www.neomed.edu/graduatestudies/certified-mental-health-assistant/

Admission Guidelines:

- Hold a bachelor's degree from an accredited institution of higher education.
- Have a cumulative GPA (undergraduate/post-bacc/graduate) of at least a 3.0 (3.4 recommended) and a prerequisite course GPA of at least 3.0 (3.4 recommended)
- Must have completed prerequisite coursework
- Prerequisites can be in progress at the time of application, so long as they will be completed by the time of potential program matriculation.
- Submit official transcripts from all institutions where you have taken courses. This includes both undergraduate and graduate courses.
- One letter of recommendation.
- Must be a U.S. citizen or permanent resident to be eligible to apply.

International Applicants: NEOMED is certified to enroll U.S. Citizens and U.S. permanent residents only at this time.

Admissions - College of Graduate Studies

Master of Science in Health Data Science and AI Admission

Master of Science in Health Data Science and AI (MS - HDSA)

The goal of the Master of Science in Health Data Science and AI (MS-HDSA) program is to empower clinicians, researchers, and aspiring data scientists to improve health outcomes through analytics and innovation. The curriculum blends advanced coursework with hands-on learning in collaboration with top health systems and research institutes. The MS-HDSA program is designed to enhance existing undergraduate, graduate, and postgraduate education. The MS-HDSA features a highly flexible learning plan with online didactic learning.

Visit here for more information: https://www.neomed.edu/graduatestudies/health-data-science-and-artificial-intelligence/

Application Guidelines

Applicants will need to:

- Have earned a bachelor's degree (or higher) from an accredited college or university.
- An undergraduate GPA of at least 3.0.
- Successful completion of one introductory Calculus course and one introductory Statistics course with a grade of C- or better.
- Current curriculum vitae (CV) containing contact information, education, employment, scholarly activities and licensure (if applicable).
- Provide a personal statement answering the following prompt: "How can Health Data Science and AI change the medical world?".
- Provide official transcripts from all institutions at which you have taken courses. This includes both undergraduate and graduate courses.
- Experience with Python and/or R programming languages.
- **For current NEOMED students only**: A signed letter of good academic standing in your primary program from the Office of the Registrar, registrar@neomed.edu.
- Must be a U.S. citizen or permanent resident to be eligible to apply.

Admissions - College of Medicine

College of Medicine

Individuals who wish to pursue a Doctor of Medicine degree (M.D.) may apply to NEOMED via several admission plans. Candidates are encouraged to familiarize themselves with these plans and find the one that best aligns with their goals.

Students who are U.S. Citizens or Permanent Residents of the United States are eligible to enroll in the M.D. degree program after completing a bachelor's degree or higher from any regionally accredited institution of higher education in the United States, or from a Canadian University. Eligible candidates may apply for admission under one of these admission categories:

- **Early Assurance Admission** may be offered to pre-approved candidates who apply using the American Medical College Application Service (AMCAS). Candidates applying for early assurance admission must have early assurance status via one of NEOMED's network of early assurance collaborating institutions.
- **Graduate Studies Special Program** may be offered to pre-approved candidates who apply using the American Medical College Application Service (AMCAS). Candidates applying for Graduate Studies Special Program admission must have pre-approved status as an enrolled student through an approved program in the NEOMED College of Graduate Studies.
- **Early Decision Admission** is encouraged for candidates who apply using the American Medical College Application Service (AMCAS) with a sincere interest in choosing NEOMED as their first choice for medical school education.
- **Regular Decision Admission** is a competitive admission plan for candidates that apply using the American Medical College Application Service (AMCAS). NEOMED entertains thousands of applications for a limited number of seats in the entering cohort from candidates in Ohio and beyond.
- **M.D./Ph.D. Combined Admission** is a combined admission plan for M.D. and Ph.D. plans of study. A student completes two years of the M.D. curriculum, followed by PhD. degree requirements and returns to the M.D. curriculum for the final two years of medical study. Students must apply using the M.D. /Ph.D. plan in AMCAS and must be accepted by both the M.D. and Ph.D. admission committees.

Regardless of admission plan, application to medical school involves a rigorous process of evaluation of each applicant's academic preparation and the candidate's alignment with the mission of the medical college and fit for a career practicing clinical medicine. Admission to medical school is a highly competitive process, with the number of qualified applicants far exceeding the number of M.D. seats available. All candidates, regardless of admission plan, are solely responsible for meeting all deadlines and submitting all completed credentials according to application instructions and maintaining contact information for notices and updates in the official data sources. All candidates for the M.D. program, regardless of admission plan, must be a U.S. Citizen or Permanent Resident of the United States (the latter must submit documentation of this status during the application process). In general, application to medical school is a process that occurs over the course of several months. Interested candidates are encouraged to begin preparing for the application process at least eighteen months prior to the application deadline. Interested candidates may find more detailed information from their undergraduate institution's pre-medical academic advisors, by reading below, and by visiting https://students-residents.aamc.org upon matriculating into an undergraduate program of study. Candidates are strongly encouraged to work closely with the pre-medical/pre-health advisors at their undergraduate schools to create a plan to successfully apply to medical school.

NEOMED practices continuous quality improvement in all admission processes. This includes a thorough annual review of student success outcomes. In support of this practice, **NEOMED reserves the right to change policies and procedures on an annual basis for current and future cycle candidates applying for early assurance and admission to NEOMED without prior notice.** Admission policies and practices for the current admission cycle will be made available through the NEOMED Compass and the www.neomed.edu domain at the time of annual NEOMED Compass publication. **Candidates should neither assume that admission guidelines, standards, policies, and practices in use for prior classes will apply to their admission cycle, nor assume that NEOMED is obligated to utilize past practices to evaluate the admission credentials of future classes.** This practice also applies to candidates enrolled as students at NEOMED's network of collaborating institutions, yet to be offered early assurance. As NEOMED seeks students driven to excel and maximize their talents, all future candidates for medical school are encouraged to perform at the level that will best represent their abilities rather than strategize in order meet minimum criteria that may not be in effect at the time of their application.

Candidates granted early assurance shall have their future admission consideration to the NEOMED M.D. program subject to completion of requirements, including, but not limited to, academic performance, successful completion of prerequisite coursework, achievement of specified standardized testing requirements such as the MCAT, and acceptable legal and professional conduct reflective of medical school expectations. All candidates must possess a baccalaureate degree before matriculation into the M.D. program in the College of Medicine.

Pre-Requisite Courses for Admission

Pre-Requisite Coursework

All candidates for admission to NEOMED as M1 students, regardless of admission plan, are required to have successfully completed (C – or better) the following prerequisite courses prior to matriculation:

- One year of Organic Chemistry & One Lab
- One year of Physics
- One year of Biology
- One semester of Biochemistry

Entering M1 students, regardless of admission plan, may benefit from the recommended courses below. (Determined by surveying students and faculty):

Anatomy	Genetics	Physics Lab
Biology Lab	Immunology	Physiology
Calculus	Microbiology	Sociology
Cell Biology	Molecular Biology	Statistics
Composition Writing	Neuroscience	

Early Decision and Regular Decision Admission

Early Decision and Regular Decision Admission

Candidates who have or will have successfully completed a baccalaureate (often referred to as “four-year”) program of study from a regionally accredited institution of higher education in the United States, or from a Canadian university, before matriculation to medical school, may be eligible to apply through either the Early Decision or the Regular Decision Admission Plans. Considerations for admission to the M.D. program may include demonstrated proficiency in appropriate coursework as evidenced by cumulative grade point average, Biology, Chemistry, Physics, and Mathematics (BCPM) grade point average, individual course grades and success in prerequisite coursework, scores from the Medical College Admission Test (MCAT) predictive of timely promotion and USMLE Step 1 passage, and a commitment to both the field of medicine and to the vision and mission of the College of Medicine. Candidates who possess the academic preparation level indicative of likely success in medical school, along with goals and application credentials that suggest a strong affinity with the mission of the NEOMED College of Medicine, will be reviewed most favorably. Successful candidates may also reflect characteristics representative of the mission and values of the College of Medicine as applied in a narrowly tailored fashion throughout a holistic admission evaluation process evaluated every year. Candidate interviews, by invitation only, are also a part of the admission process.

Application procedures are outlined below. See the appropriate application instructions link from www.neomed.edu for complete admission procedures and applicable and binding deadlines. Admission candidates are encouraged to review the most recent NEOMED M1 class profile as shared on www.neomed.edu to self-evaluate their potential for an offer of admission. All admission candidates must complete the following steps to apply for admission:

(1) Admission applicants must first select their admission plan and apply online through the American Medical College Application Service (AMCAS), located at www.aamc.org. Deadline for receipt of the AMCAS application is November 1 of the year preceding anticipated enrollment for the Regular Decision Plan, and August 1 of the year preceding anticipated enrollment for the Early Decision plan.

(2) All applicants submit MCAT scores no later than the fall prior to the year of anticipated enrollment to be considered for admission. MCAT scores must originate from testing dates within three years from the start of Regular Decision Plan application for the admission cycle. Information on testing dates and registration may be obtained from www.aamc.org/students/mcat/.

(3) All applicants are first screened for evidence of academic readiness indicative of a level of preparedness to thrive academically in medical school. Applicants who suggest promise are invited to complete a secondary application (also referred to as the supplemental application) for admission through AMCAS. There is a fee to submit the secondary application, and NEOMED participates in the AAMC Fee Assistance Program. Secondary applications are offered via invitation only after screening. Only those who complete and submit the AMCAS Secondary Application by the deadline may continue in the admission process. Failure to complete the supplemental application process after invitation will constitute passive withdrawal of admission candidacy. The deadline for receipt of the supplementary materials is September 1 of the year prior to anticipated enrollment for Early Decision Plan consideration, and December 1 of the year prior to anticipated enrollment for Regular Decision plan consideration.

Applicants to the M.D. program who consider NEOMED their medical school of choice and are aligned with its mission are strongly encouraged to apply through the Early Decision Plan. Early Decision is binding, which means that candidates applying through this plan who receive offers of admission are obligated by AMCAS policy to attend NEOMED should they wish to attend any allopathic school of medicine. All Early Decision applicants must present valid MCAT scores, apply through AMCAS by August 1, and have the secondary application completed and verified to the NEOMED Office of Admissions by September 1 of the year prior to anticipated enrollment. Notification to the applicant regarding admission is given by October 1. If selected, an Early Decision Plan admit receives the benefit of early notification of acceptance and is, therefore, obligated to attend the NEOMED College of Medicine under the Association of American Medical Colleges (AAMC) admission policy. If not selected for admission through this plan, applicants may then apply to other medical schools. For more information regarding consideration of whether the Early Decision Plan is right for you, visit https://students-residents.aamc.org/applying-medical-school-amcas/early-decision-program.

Regular Decision Plan

The College of Medicine at Northeast Ohio Medical University seeks talented prospective medical school students from Ohio and beyond committed to and reflective of the missions of both the college and the university. All candidates will demonstrate the capability to master the academic rigors of medical school through a holistic, evidence-based admission process. Evaluation of candidates’ professionalism occurs throughout the application and admission process.

All Regular Decision applicants must present valid MCAT scores and apply through AMCAS by November 1. The number of Regular Decision seats will vary annually depending upon the number of Early Assurance and Early Decision Plan admitted students. Offers of admission (acceptance) may occur between November and July, both in rounds and on a rolling basis. Regular Decision is a highly competitive admission plan where hundreds of candidates qualified to thrive in medical school at NEOMED vie for a very limited number of available seats. In addition to the initial offers of admission, NEOMED makes extensive use of an annual alternate list where candidates are accepted on a rolling basis as seats become available.

NEOMED Participates in the AAMC Choose Your Medical School Tool process. All Regular Decision admits must use the Choose Your Medical School Tool to list a status of “Commit to Enroll” associated with NEOMED by June 1st, or they may forfeit their M1 seat via administrative withdrawal. For more information, visit: https://students-residents.aamc.org/applying-medical-school/article/amcas-choosing-your-medical-school-tool/.

Admissions - College of Medicine

Early Assurance Plan

Early Assurance Plan

The College of Medicine offers early assurance for a future seat in medical school to currently enrolled students at selected collaborating colleges and universities. The *Early Assurance Plan is not early admission to the College of Medicine.* Early Assurance reserves a future seat in medical school should a candidate meet certain admission standards at the time of application. Early Assurance Plan students are not yet admitted to NEOMED. All NEOMED medicine Early Assurance Plans are classified as “binding” through AMCAS.

Early Assurance Undergraduate Network Plan

At the time of Compass publication, the following institutions constitute the NEOMED early assurance network: The University of Akron, Baldwin-Wallace University, Cleveland State University, John Carroll University, Hiram College, Kent State University, Miami University, University of Mount Union, Walsh University, and Youngstown State University. Interested students are encouraged to visit www.neomed.edu for more information. While the pre-health/pre-medicine program requirements vary by collaborating institution, all these schools offer programs leading to the same Early Assurance Plan and require candidates to adhere to consistent NEOMED admission guidelines and procedures applied across all collaborating institutions.

Prospective students and families should research undergraduate Early Assurance Plans available at NEOMED’s network of early assurance universities as part of a comprehensive college search process while in secondary school. Depending upon the pre-medical preparation program offered by a collaborating institution, first-year students enrolled at these universities may also inquire with the pre-medical advisors at the schools to learn more about Early Assurance. The number of Early Assurance seats will vary by collaborating institution. NEOMED neither endorses nor recommends one school’s pre-medical program over another. Please contact the designated pre-health advisor at each school for more information when selecting an undergraduate college of choice.

Applying for Early Assurance – Undergraduate (Step One):

Early Assurance to the NEOMED College of Medicine requires students enrolled at collaborating colleges and universities to secure a nomination from the designated individual or committee on their campus to pursue Early Assurance to NEOMED. Interested students are to contact the pre-medical/pre-health advisor at their college or university for more information.

All Early Assurance candidates must possess an AAMC ID prior to scheduling interviews with NEOMED. Once in receipt of Early Assurance status for a designated year of matriculation, candidates will apply to NEOMED through AMCAS for the admission cycle associated with the year they intend to matriculate to NEOMED. Candidates will be assigned the year of application to NEOMED by their collaborating institution. Candidates are expected to meet or exceed all the NEOMED admission standards to gain admission to NEOMED. The admission process and academic standards for admission to NEOMED using the undergraduate Early Assurance Plan are as follows:

Applying for Admission to the M.D. program after acceptance into Early Assurance Undergraduate:

Candidates who receive early assurance through the Early Assurance Undergraduate plan are required to successfully complete all the following to receive deferred admission to the College of Medicine as M1 students:

• Students must follow all AMCAS Early Assurance Plan application procedures and deadlines. Successfully applying to medical school independently is considered part of evaluating a candidate’s professionalism and determining readiness for medical school.

• Students must receive their baccalaureate degrees from the same undergraduate collaborating college/university where they were awarded Early Assurance. Early Assurance is non-transferable between institutions.

• Early Assurance undergraduate students must take the Medical College Admission Test (MCAT) and meet or exceed the minimum required MCAT score and grade point average standards at the time of early assurance admission decisions.

• As with all candidates for medical school, regardless of admission plan, it is solely the student’s responsibility to be aware of all MCAT testing and score release dates, and to meet all admission dates and deadlines. Early Assurance is a privilege of the opportunity to secure a seat in medical school via a student-friendly plan and not an entitlement to guaranteed admission to medical school.

• Early Assurance undergraduate students must apply for admission through AMCAS using the Early Assurance admission plan prior to September 1 of the preceding year to be eligible for admission to NEOMED.

• Early Assurance students must be on track to successfully complete all required pre-requisite courses with a grade of “C-” or better to apply for admission to NEOMED.

• Grade Point Average (GPA) and BCPM GPA data used for admission decisions will reflect applicable coursework through the prior spring (or summer) semester available in October. Candidates denied admission due to not reaching GPA and BCPM GPA minimum requirements in October will be re-reviewed for admission consideration using the fall semester grades available in January. Once a candidate meets the GPA thresholds at the time of admission, the GPA and BCPM GPA will not be re-reviewed for a rescission of admission unless there is a significant decline or failure to complete prerequisite requirements.

• Early Assurance undergraduate admission decisions will be made by the NEOMED College of Medicine Admissions Committee in the October meeting using grades and MCAT scores officially recorded in AMCAS at the time of review. Candidates will receive an admission decision within two weeks.

• Candidates who are not accepted in the October review will have the following two options from which to choose:

• Withdraw from binding NEOMED early assurance and forfeit their reserved seat in the NEOMED College of Medicine. Candidates may select this option themselves using AMCAS to change their admission decision plan from Early Assurance to Regular Decision. Their applications should then move into the AMCAS Regular Decision pool for consideration by other AAMC allopathic medical schools prior to the November 1 Regular Decision deadline. Or;

• Take no action and maintain their binding NEOMED Early Assurance status, and a second review of their application credentials will occur in January by the NEOMED College of Medicine Admissions Committee. This timeline allows candidates the opportunity to submit fall semester grades and any new MCAT scores available at the time of review. All January review admission decisions are final for the admission cycle. Candidates who do not meet admission standards in January will be denied admission for that admission cycle. Denied candidates shall not be reviewed again.

• Early Assurance undergraduate pathway students shall meet or exceed all admission criteria, or they shall not be admitted to NEOMED as M1 students

Early Assurance undergraduate admission criteria for candidates matriculating to NEOMED for 2026 are as follows:

Complete all required pre-requisite courses with a grade of "C –" or better to matriculate to NEOMED. These required pre-requisite courses include:

a. Two semesters of Organic Chemistry & One Lab

b. Two semesters of Physics

c. Two semesters of Biology

d. One semester of Biochemistry

Meet or exceed the following grade point average, BCPM (Biology, Chemistry, Physics, Math courses) grade point average, and minimum MCAT scores as follows for admission to NEOMED according to the chart below, recognizing the role of classroom performance while not relying solely upon standardized testing.

Admission Standards effective 2027 (receiving early assurance in 2026 or later)

GPA & BCPM are both	MCAT score is	The NEOMED Decision is:
Either GPA or BCPM GPA are below 3.40	Below 506 *(Reflects confidence interval.)*	Admission to NEOMED is denied.
Both GPA and BCPM GPA are both at or above 3.4	506 and above plus two of four holistic experiences*: *Any two of the following (during college career): • 50 hours of research experience • 50 hours of clinical experiences (employment or volunteer) ◦ AHEC activities ◦ Physician Shadowing ◦ Employment in a clinical setting • 200 hours of non-clinical employment • 200 hours of non-clinical service/leadership ◦ Clubs/organization ◦ Athletics team member ◦ Volunteering outside of the clinical area ◦ Tutoring *Note: AMCAS is the official source of holistic experiences and hours documented. Updates outside of AMCAS are not accepted.*	Admitted to the M.D. program as a first-year student (M1).

All admission offers are contingent upon the successful completion of remaining prerequisite coursework and successful clearance of a criminal background check. Academic performance that deviates significantly from that which secured admission may be revisited by the admission committee for consideration of remediation options or rescission of admission. Serious professionalism or conduct issues, such as convictions and/or academic misconduct or serious institutional infractions, will be revisited by the admission committee for acceptance reconsideration, including denial or subsequent rescission of admission. Upon matriculation to NEOMED to begin the M.D. program of study, degree requirements are the same for all M.D. students. **Candidates are solely responsible for understanding and adhering to all procedures and deadlines based on this document published by NEOMED. Do not rely on any abridged materials and/or publications from other institutions.**

College of Graduate Studies Special Program Plans

College of Graduate Studies Special Program Admission Plan

At Northeast Ohio Medical University, we strive to shape an extraordinary entering class of future physicians. We seek students who show potential as thought leaders, future physician-leaders, systemic innovators, trailblazers transforming global health, and future physicians' representative of the patient communities they will one day serve. We envision all our medical students sharing authentic patient-facing values.

To foster our mission, we present a distinctive opportunity to a selected group of highly talented students who reach the end of the application cycle on the NEOMED alternate list who did not receive acceptance to medical school.

The NEOMED Graduate Special Program Admission Plan reserves a future seat in the M.D. cohort for students who will complete a one-year NEOMED graduate degree in the academic year as their gap year experience.

Here is the list of our NEOMED one-year master's programs linked to M.D. Graduate special program opportunities:

• The Master in Foundations of Medicine medical school preparatory program

• The Master of Science in Health Systems Science program

• The Master of Science in Health Innovation and Design program (Global & Underserved Populations and Medical Device Innovation concentrations)

• The Master of Science (capstone option) in Basic and Translational Biomedicine program

NEOMED Graduate Special Program Admission Plan is available *exclusively* to M.D. candidates who applied through the American Medical College Application Service (AMCAS) for regular decision plan admission in the current application cycle. Application is not available to candidates who did not apply through AMCAS and reach the alternate candidate stage for the current admission cycle.

Students enrolled in NEOMED graduate studies through the Graduate Special Program Admission Plan will be accepted to the M.D. program with the expectation of successful completion of the graduate degree program in line with professionalism and conduct expectations. Serious professionalism or conduct issues, such as convictions and/or academic misconduct or serious institutional infractions, will be revisited by the admission committee for acceptance reconsideration, including denial or subsequent rescission of admission. There are no additional admission standards to meet or exceed.

NEOMED Graduate Studies Interview Privilege

NEOMED students currently enrolled in any NEOMED master's degree program who successfully apply through AMCAS for the M.D. program will receive an invitation to interview for a seat in medical school at NEOMED.

"Successful application" constitutes all of the following:

• Apply to NEOMED through AMCAS by either the early or regular decision plan deadlines. Candidates who have already completed a year of study in a NEOMED master's degree program are encouraged to apply using the Early Decision Plan.

• Present competitive academic credentials, including grades and MCAT score, that meet or exceed NEOMED screening criteria to receive an invitation for a secondary application. Candidates without MCAT scores or grade point averages that do not meet current NEOMED M.D. screening guidelines will not receive interviews.

• Complete and submit a secondary application to NEOMED through AMCAS by either the early or regular decision plan deadlines.

• Candidates indicate that they are enrolled at NEOMED on their AMCAS applications at the time of application to be eligible.

• Complete their master's degree program at NEOMED if admitted to the M.D. program.

Admissions - College of Medicine

Deferred Admission

Admitted students may request deferral of their first term of enrollment (matriculation to medical school). All requests for deferments must be formally presented in writing to the NEOMED College of Medicine Admission Committee. The deadline for submitting deferrals is April 15th preceding the start of the academic year. Candidates accepted for all NEOMED admission plans are eligible for deferral. Deferred admission at NEOMED is classified as a binding admission program in AMCAS, meaning candidates who ask and receive deferred admission may not apply to any other allopathic medical schools through AMCAS for that admission cycle. Candidates intersted in requesting deferred admission should contact the Office of Admission to begin their deferral request process.

Admissions - College of Medicine

Readmission

Readmission

Former NEOMED students who left the College of Medicine voluntarily and in good standing may apply for readmission. A readmission candidate must complete the AMCAS admission process by the Regular Decision Plan deadline. Readmission candidates may be subject to other requirements that may be related to the circumstances of the length of absence. Depending on the length of absence and the point of departure in the curriculum, applicants seeking readmission also may be required to retake the MCAT, USMLE Step 1, and/or participate in a clinical skills assessment as part of the application review process.

Readmission does not guarantee returning to the curriculum at the exact point of departure and may require the repeat of previously completed coursework and standardized examinations. Interested applicants should contact the Director of Admissions for information regarding reapplication. The deadline for application receipt is November 1 of the year prior to anticipated re-enrollment.

Admissions - College of Medicine

Official Transcript(s) Requirement

Official Transcript(s) Requirement

All candidates who matriculate into degree-granting programs in the College of Medicine at NEOMED are required to submit a final, official transcript for all previously attended colleges and universities to the Office of Admission. NEOMED works with common application services (CAS) during the application process, and while CAS is authorized to receive, process, and verify transcripts, admission fees, and other supporting credentials on behalf of NEOMED, those supporting documents do not become part of the NEOMED student record. However, NEOMED is required by various practices and policies to possess official transcripts received directly from issuing institutions and agencies that include all completed coursework by matriculating students and proof of an earned undergraduate degree. **As other institutions' policies**

prohibit NEOMED from requesting final official transcripts on students' behalf, the responsibility to request official final transcripts lies with the students. Failure to comply with the submittal of final, official transcripts to NEOMED upon matriculation will result in a Registrar hold being placed on the student's record that will prevent registration in a future semester, the distribution of financial aid, and will restrict access to one's education record.

Admissions - College of Pharmacy

Doctor of Pharmacy (Pharm.D.) Admission

The traditional Doctor of Pharmacy (Pharm.D.) Pathway to pharmacy school at NEOMED is designed for students who have either completed an entire baccalaureate degree program or who are completing the 60 semester hours of prerequisite coursework at a regionally accredited institution of higher education. A bachelor's degree is not required for admission, although students with a baccalaureate degree or higher may be considered more competitive in the admission process. The pre-professional prerequisite course sequence is designed to prepare students to thrive academically in the Pharm.D. program. While 60 credit hours comprise the pre-professional prerequisite sequence, 72 credit hours are required for candidates' Title IV financial aid eligibility on the graduate level. Candidates with between 60 semester hours and 71 semester hours may still plan to enroll and seek alternate forms of financial support, such as private loans. Such candidates are encouraged to work with NEOMED's financial aid staff early in the application process. All candidates for P1 admission to NEOMED must apply through the American Association of Colleges of Pharmacy (AACP) Pharmacy College Application Service at www.PharmCAS.org.

NEOMED offers admission counseling appointments with the assistant dean for admission in the College of Pharmacy for candidates to learn more about how to apply and review their prerequisite coursework progress. Candidates preparing to apply for the Doctor of Pharmacy program may also consult with the pre-pharmacy/pre-health academic advisor at their current school and visit https://PharmCAS.org/ (PharmCAS) well in advance of beginning the application process to familiarize themselves with important policies, procedures, and deadlines one to two years prior to application. NEOMED will reference PharmCAS academic data for all admission decisions. Many pre-professional opportunities are also available through NEOMED for candidates to learn more about careers in pharmacy and develop well-rounded application credentials. Candidates are encouraged to utilize all academic update opportunities in PharmCAS following initial application for admission in the event they complete additional coursework during the academic year when they are applying for the Doctor of Pharmacy program. NEOMED also entertains applications from candidates with pre-pharmacy coursework completed at international universities.

The Pharm.D. curriculum extends over four years, includes biomedical sciences, pharmaceutical sciences, social, behavioral, and administrative pharmacy sciences, and clinical sciences, and includes a longitudinal course of study in professional pharmacy development. NEOMED's Doctor of Pharmacy curriculum emphasizes a wide range of experiential learning opportunities regionally, nationally, and even internationally.

All candidates must complete the pre-professional pre-requisite coursework prior to matriculation to NEOMED as a first-year (P1) Doctor of Pharmacy student. Candidates with pre-requisite coursework in-progress who are making progress toward timely completion are encouraged to apply for admission via the Pharmacy College Application Service (PharmCAS) at www.PharmCAS.org. Candidates with questions about pre-professional prerequisites are encouraged to seek advice from the assistant dean of admissions in the College of Pharmacy

Prerequisite Courses for All Pharmacy Admission Pathways

Required Pre-professional (Prerequisite) Courses for All Pharmacy Admission Pathways

REQUIRED PRE-PROFESSIONAL COURSES (SEMESTER HOURS)	SEMESTER CREDIT HOURS REQUIRED
Anatomy & Physiology course sequence or two separate Anatomy and Physiology courses	6
Microbiology course	3
Biology and Other Life Sciences course sequence with labs *Note: Students in curricular programs that do not require a two-course Biological Science sequence may substitute an upper-division Biological Sciences course for the second course in the sequence. In this case, the requirement will be 7 hours, and the second lab will be waived. Courses such as cell biology or genetics are recommended. The 60-hour total requirement remains in effect.*	8
Inorganic (General Chemistry course sequence with labs	8
Organic Chemistry course sequence with labs	8
General Physics course	3
Biochemistry course	3
College Algebra or higher mathematics course (such as algebra, trigonometry/pre-calculus, or calculus course	3
Statistics/Medical Statistics course	3
Composition course sequence *Note: Students in a curriculum that uses the writing across the curriculum approach, where composition is not offered, may substitute 6 hours of writing-intensive coursework as designated by their university or two English courses*	6
General Education and/or Additional Science*	9
Total	**60**

*General education and/ or additional science courses are defined as humanities, social science, business, computer literacy, and additional coursework in the other prerequisite categories. A course can be used only once to fulfill a prerequisite. Coursework in interpersonal communication, economics, and sociology is encouraged.

The following guidelines are recommended for admission consideration for the Pharm.D. Program at the time of application:

- A recommended minimum cumulative GPA of 2.50 (all coursework), as well as a 2.50 GPA in science courses
- Demonstrated progress toward completion of pre-professional pre-requisite coursework.
- Additionally, matriculating students must be a minimum of 18 years of age at the time of the first day of classes.

Successful applicants should also demonstrate:

- Interest in the pharmacy profession, as demonstrated by extracurricular activities and/or pharmacy technician experience.
- Noncognitive factors such as maturity, leadership potential, and inter-personal communication skills demonstrated in the interview process.
- Employment experiences, particularly experience with patients in a pharmacy or health-related setting is encouraged.

Undergraduate students preparing for pharmacy school at NEOMED may wish to research undergraduate programs that offer articulation benefits while students complete prerequisites. Please visit https://www.neomed.edu/pharmacy/admissions/ for up-to-date information about articulation programs leading to NEOMED.

Admission interviews, by invitation only, are a part of the screening process to assist with a holistic review of the applicant. The NEOMED College of Pharmacy Admissions Committee reviews applicant data after interviews and makes admission recommendations to the College of Pharmacy Dean who has final decision authority.

To apply to the Pharm.D. Program, applicants are to complete the PharmCAS application by no later than the PharmCAS deadline of June1st prior to the term of desired initial enrollment. We recommend that candidates apply during the fall prior to the year of desired initial enrollment as offers are made on a space-available basis. When NEOMED reaches enrollment capacity, an alternate list will be established. Enrollment capacity may be reached without prior communication to candidates yet to apply. Supplemental materials, transcripts from all previously attended colleges and two letters of evaluation/recommendation must be sent to PharmCAS by June 1st as well.

Early Assurance Pathway Admission

Early Assurance Pathway Admission

The NEOMED College of Pharmacy offers students interested in a career in pharmacy a pathway to admission through the Early Assurance Program (EAP). Candidates considering applying to the College of Pharmacy at NEOMED are strongly encouraged to explore the EAP in advance of their official application year. The EAP provides students with conditional acceptance to a future NEOMED College of Pharmacy P1 class. It is open to high school seniors and undergraduate students attending a regionally accredited community college, college, or university in the United States.

The EAP follows a two-step process. First, candidates secure early assurance of a reserved seat in a future entering class by successfully meeting the early assurance program application requirements. Second, candidates who remain on track to maintain the EAP requirements, as outlined below and in their agreement, must apply for admission to the NEOMED College of Pharmacy via PharmCAS by October 31 of the year prior to their planned matriculation. Along with their PharmCAS application, EAP students will be invited to interview with a faculty member in person or online. This interview and application process serve as a formal review to ensure all EAP requirements have been met and are a requirement of accreditation. Students do not need to have completed all prerequisites at the time of application but must be on track to finish them by the end of July of their matriculation year.

Students must complete the minimum 60 hours of prerequisite coursework required for admission to NEOMED before matriculating.

The College of Pharmacy EAP is non-binding, meaning candidates with early assurance to admission to NEOMED's College of Pharmacy may still explore other career options. NEOMED EAP students benefit from unique opportunities to begin professional development early through various activities. There are two routes to secure early assurance to the NEOMED College of Pharmacy: The University Program and the High School Program.

Admissions - College of Pharmacy

University Pathway

University Student Program

The University Early Assurance Program is available to currently enrolled students at any regionally accredited college, university, or community college in the U.S. The deadline to apply is June 1st prior to the official application submission. Candidates must apply through the Early Assurance Program application on the NEOMED College of Pharmacy website (Pre-Pharmacy | Learn About Pre-Pharmacy Programs at NEOMED).

Eligibility for University Early Assurance:

- Candidates must have an established college GPA to apply.
- Minimum overall/cumulative GPA of 3.20 or higher at a regionally accredited institution of higher education.
- Minimum science GPA of 3.20 or higher at a regionally accredited institution.

Note: Early Assurance candidates from NEOMED articulation partner institutions may have more flexible admission requirements. Check with your pre-health advisor to confirm if your school has an articulation agreement with NEOMED.

- No grade lower than a "C" in any math, biology, or chemistry course completed to date. If a course has been repeated, the second grade will be considered.
- Candidates must apply via the Early Assurance application on the NEOMED College of Pharmacy website by the June 1 deadline.
- Candidates who meet the minimum requirements will meet with the Assistant Dean of Admissions to interview for the program and review the requirements for maintaining progress in the EAP. Interviews are granted by invitation following application review.
- Applications are presented to the admissions committee for final review and approval through an annual rolling admission process into the EAP.

EAP Student Responsibilities for Admission to the Pharm.D. Program

To fulfill Early Assurance Program stipulations, students must complete the following:

- Apply via PharmCAS by December 31st of the year prior to matriculation to secure their seat. See PharmCAS.org for deadlines and procedures.
- Continue attending a regionally accredited institution and remain on track to complete all required prerequisite courses. Early Assurance may be transferable if a student changes undergraduate institutions.
- Successfully complete all NEOMED College of Pharmacy prerequisite coursework by July of the matriculating year.
- Earn a minimum grade of "C" or higher in all prerequisite courses. College Credit Plus and AP credits may be used if accepted by the undergraduate institution where credit is awarded.
- Maintain a cumulative university GPA of 3.2 and a science GPA of 3.2 (both calculated by PharmCAS and reflecting work at multiple institutions) at the time of application to NEOMED. Students below this threshold may still be considered through the regular admission process.
    - *Note*: Early Assurance candidates from NEOMED articulation partner institutions may have more flexible admission requirements. Check with your pre-health advisor to confirm if your school has an articulation agreement with NEOMED.
- Participate in NEOMED's pharmacy pipeline pre-matriculation programs. Details can be found here (Pre-Pharmacy | Learn About Pre-Pharmacy Programs at NEOMED). Candidates should document participation in their PharmCAS application. Examples of pre-pharmacy professional development include:
    - Active participation in Area Health Education Center (AHEC) programs.
    - Participation in the NEOMED Pre-Pharmacy Club.
    - Regular semester meetings with a NEOMED Pharm.D. student mentor. Mentors will be assigned once accepted to the EAP.
- Attend at least one meeting per semester with the Assistant Dean of Admissions or an admissions team representative to talk about academic progress as an EAP student.
- Provide updated transcripts following the completion of each semester while enrolled in the EAP.
- Employment as a pharmacy technician is encouraged but not required. NEOMED can assist with finding opportunities upon request.
- The selected matriculation year is determined at the time of Early Assurance application but may be adjusted if mutually agreed upon by the student and NEOMED.

Admissions - College of Pharmacy

High School Pathway

High School Senior Program

The High School Senior Early Assurance Program is available to currently enrolled high school seniors. This program is not available to students who have matriculated to a post-secondary institution in a degree-seeking status. However, College Credit Plus students who have not yet graduated from high school are eligible. NEOMED does not currently offer undergraduate coursework, so students may enroll at any regionally accredited institution. Students may apply anytime during their senior year of high school. The deadline to apply is July 1 of your high school graduation year. Candidates apply through the Early Assurance Program application on the NEOMED College of Pharmacy website (Pre-Pharmacy | Learn About Pre-Pharmacy Programs at NEOMED).

Eligibility for High School Early Assurance:

- Minimum cumulative high school GPA (weighted or unweighted) of 3.20 or higher on a 4.0 scale.
- Recommended ACT Composite score of 20 or higher (or SAT total score of 1028 or higher).
- Recommended ACT STEM, Math, and Science sub-scores of 20 or higher (or SAT Math score of 530 or higher).
  Note: Test scores are not required but help provide a more complete picture of the candidate's ability to succeed.
- Candidates who meet the minimum requirements will meet with the Assistant Dean of Admissions to interview for the program and review the requirements for maintaining progress in the EAP. Interviews are granted by invitation following application review.
- Applications are presented to the admissions committee for final review and approval through an annual rolling admission process into the EAP.

EAP Student Responsibilities for Admission to the Pharm.D. Program

To fulfill Early Assurance Program stipulations, students must complete the following:

- Apply via PharmCAS by December 31st of the year prior to matriculation to secure their seat. See PharmCAS.org for deadlines and procedures.
- Continue attending a regionally accredited institution and remain on track to complete all required prerequisite courses. Early Assurance may be transferable if a student changes undergraduate institutions.
- Successfully complete all NEOMED College of Pharmacy prerequisite coursework by July of the matriculating year.
- Earn a minimum grade of "C" or higher in all prerequisite courses. College Credit Plus and AP credits may be used if accepted by the undergraduate institution where credit is awarded.
- Maintain a cumulative university GPA of 3.2 and a science GPA of 3.2 (both calculated by PharmCAS and reflecting work at multiple institutions) at the time of application to NEOMED. Students below this threshold may still be considered through the regular admission process.
  Note: Early Assurance candidates from NEOMED articulation partner institutions may have more flexible admission requirements. Check with your pre-health advisor to confirm if your school has an articulation agreement with NEOMED.
- Participate in NEOMED's pharmacy pipeline pre-matriculation programs. Details can be found here (Pre-Pharmacy | Learn About Pre-Pharmacy Programs at NEOMED). Candidates should document participation in their PharmCAS application. Examples of pre-pharmacy professional development include:
  1. Active participation in Area Health Education Center (AHEC) programs.
  2. Participation in the NEOMED Pre-Pharmacy Club.
  3. Regular semester meetings with a NEOMED Pharm.D. student mentor. Mentors will be assigned once accepted to the EAP.
- Attend at least one meeting per semester with the Assistant Dean of Admissions or an admissions team representative to talk about academic progress as an EAP student.
- Provide updated transcripts following the completion of each semester while enrolled in the EAP.
- Employment as a pharmacy technician is encouraged but not required. NEOMED can assist with finding opportunities upon request.
- The selected matriculation year is determined at the time of Early Assurance application but may be adjusted if mutually agreed upon by the student and NEOMED.

Transfer Admission

Transfer Admission

Students enrolled at other pharmacy schools who desire to transfer to the College of Pharmacy for a reason unrelated to academic challenges and/or deficiencies may do so through special consideration by the Admissions Committee and Dean. **Applicants must be in good academic standing at their current/former pharmacy school and must have successfully completed all NEOMED pre-requisite coursework at an accredited institution of higher education to be considered.** Dismissed students from other institutions are ineligible.

Individuals interested in pursuing transfer admission should contact the Office of Admission to request a transfer eligibility review no later than June 1st prior to the academic year of anticipated enrollment.

To be considered for transfer admission, candidates must complete the following:

1. Apply via PharmCAS at www.PharmCAS.org for admission to the PharmD program.

2. During the application process, upload a letter to the director of admissions or include a personal statement indicating why the student wishes to transfer and explain any difficulties encountered at his or her current institution. In the letter, supply a link to a catalog and a detailed syllabus for all courses taken or currently enrolled in at your current/former school of pharmacy.

3. As a standard component of the PharmCAS application process, provide official transcripts from all schools attended (undergraduate, graduate, and professional/pharmacy)

4. Include a recommendation from a pharmacy professional or pharmacy faculty member in the PharmCAS application process.

5. A supporting letter from the Dean of the previous/current school or college of pharmacy.

The Admissions Office must receive all supporting documentation for transfer admission consideration verified by PharmCAS no later than July 1st prior to the anticipated fall matriculation date.

Upon review of the material, the Admissions Committee, Dean or designee of the pharmacy college will determine interview and admission candidacy.

Students admitted to the College of Pharmacy as transfer students will have their educational records from previously attended U.S. accredited schools of pharmacy evaluated by the College Admissions Committee for professional competencies and applicability toward degree requirements at NEOMED. Transfer credit may only be considered for coursework in years one, two and three of the pharmacy curricula and at one-year intervals. Curricular requirements and coursework vary by topic and sequence by institution. Consequently, being accepted in transfer does not necessarily mean a student will be placed in a class cohort that exactly matches their previous school. Students accepted in transfer by NEOMED may be required to repeat previously passed coursework to be appropriately prepared to navigate the curricular sequence and rigor at NEOMED. Once equivalencies and/or competencies are determined, the Admissions Committee provides that information to the University Registrar for posting to the student's NEOMED transcript.

Admissions - College of Pharmacy

Readmission

Readmission

Former NEOMED students who left the College of Pharmacy voluntarily and in good standing may apply for readmission. Candidates seeking readmission must complete the PharmCAS admissions process by the regular decision plan deadline. Readmission candidates may be subject to other requirements that may be related to the circumstance of the length of absence. Readmission does not guarantee returning to the curriculum at the exact point of departure and may require the repeat of previously completed coursework. Interested applicants are encouraged to contact NEOMED Office of Admissions for additional information.

Admissions - College of Pharmacy

Official Transcript Requirement

Official Transcript Requirement

All candidates that matriculate into degree granting programs in the College of Pharmacy at NEOMED are required to submit a final, official transcript for all previously attended colleges and universities to the Office of Admission. NEOMED works with common application servicers (CAS) during the application process, and while they are authorized to receive, process, and verify transcripts, admission fees, and other supporting credentials on behalf of NEOMED, they do not become part of the NEOMED student record. However, NEOMED is required by records policy to possess Official Transcripts received directly from issuing institutions and agencies that include all completed coursework by matriculating students.

Financial Aid

Financial Assistance

The Financial Aid team is responsible for processing financial aid applications, applicant verification and the awarding of federal, state, and institutional aid. In addition, counseling and programming is available in areas of financial planning, including debt management. Individual financial aid advising is available to students on topics such as aid eligibility, student budgeting, student loan terms, entrance and exit counseling, establishing, and maintaining good credit, financial independence, student loan debt management and loan repayment strategies.

Northeast Ohio Medical University wants to help students achieve their educational and career goals. The Office of Financial Aid, part of the Division of Academic Affairs, is available to help explore financial aid options available and select the financial aid offer that best satisfies each student's particular needs. Personnel in financial aid are helpful, knowledgeable professionals who can competently and confidentially answer questions and guide students through the process of seeking financial aid.

Financial aid programs were developed by the federal and state governments, as well as by institutions of postsecondary education to assist students from families with limited resources to meet educational expenses. Northeast Ohio Medical University administers financial assistance in the forms of scholarships, loans, grants, and service programs. Students are encouraged to explore the possibilities for financial aid from all appropriate sources.

You Have a Right to Know!

Federal regulations require that institutions make consumer information readily available to current and prospective students, and to current and future employees. Consumer information ensures the consumer has information regarding general University information, academic program offerings, student financial assistance and related policies, health and safety policies, student enrollment, demographics, and outcomes and achievements of the academic programs offered. Consumer information can be reviewed on the University's website.

Student Information and Confidentiality

Pursuant to the Family Education Rights and Privacy Act (FERPA), all records and data submitted with an application for financial aid will be treated as confidential information.

Students will be required to confirm their identity prior to the release of financial aid information. Students who appear in person will be able to show their government or University issued photo ID or confirm personal identifiable information (PII) prior to the release of confidential information. Students have a right to identify an authorized person(s) to call and obtain financial aid information on their behalf. Their designee(s) will also need to confirm PII information and/or provide a passcode prior to the release of student information.

By accepting a NEOMED Foundation Scholarship, the student agrees to allow the University to release directory information to the donor/organization, as well as the Office of Marketing and Communications at NEOMED for press releases related to scholarships.

By accepting a financial aid offer, the student authorizes the Office of Financial Aid to share information contained in the offer with other authorized University, federal, state, or private officials on a need-to-know basis.

Student Aid Eligibility, Application Materials and Deadlines

To qualify for a financial aid offer, students must meet eligibility requirements defined by the U.S. Department of Education and NEOMED, as well as various external sources for which NEOMED offers financial aid. In addition, students must complete application materials to qualify for a financial aid offer, complete needed application forms and meet minimum registration requirements to receive a disbursement of financial aid funds. Students are encouraged to review the Financial Aid Eligibility, Application, and File Verification Policy in the University's policy portal, and on the Office of Financial Aid's website.

Code of Ethics, Rights and Responsibilities for Student Loan Recipients and Financial Aid Professionals

As a financial aid recipient, students have certain rights and responsibilities and should be familiar and understand them before accepting a financial aid offer. Questions on your rights and responsibilities should be directed to the Office of Financial Aid prior to accepting a financial aid offer. Students can review their rights and responsibilities on the Office of Financial Aid's website.

As financial aid professionals charged with administering the program at NEOMED, our primary goal is to help students achieve their educational goals through financial aid support and guidance. As a member of the National Association of Student Financial Aid Administrators (NASFAA), we adhere to their Statement of Ethical Principles and Code of Conduct. You can view these ethical principles and codes of conduct on NASFAA's website, as well as the Office of Financial Aid website.

Financial Aid Resources

View the following websites for financial aid information:

- https://studentaid.gov/ - Complete the FAFSA, Direct Loan Promissory Notes, Federal Loan Entrance and Exit Counseling, Annual Student Loan Acknowledgment, view general information on the federal aid programs, receive information on federal aid received.
- https://www.fastweb.com/ - Search for private scholarships
- https://www.irs.gov- Everything you need to know about taxes
- https://www.myfico.com- Credit report and credit score
- https://students-residents.aamc.org/financial-aid - Financial literacy resources for health professions students

Financial Aid

Cost of Attendance

Cost of Attendance

Understanding the costs associated with a health professions or graduate education is very important. The University is required by federal regulation to develop a standard Cost of Attendance that includes typical student expenses a student may incur for attending a NEOMED education program for a single year. **Cost of Attendances change each year to reflect changes in tuition and fees, as well as adjustments to the cost of living, and are subject to change without notice to reflect adjustments to components as deemed necessary.**

A Cost of Attendance serves three major purposes:

- To support students in financial planning and budgeting.
- To assist with equitable distribution of student financial aid dollars.
- To ensure education access and choice.

The Cost of Attendance is comprised of:

- Billable Education Expenses: Direct charges assessed to a student by NEOMED for the purpose of enrolling in a university program, including tuition and mandatory program fees.
- Non-billable Education Expenses: out-of-pocket expenses a student may incur while attending a university program that will not be charged and made due to the University.

To understand how the Cost of Attendance is established, students are encouraged to review the Establishment and Revisions to the Cost of Attendance Policy in the University's policy portal, and on the Office of Financial Aid's website.

A detailed current Cost of Attendance for each College (and each program/program year within each College) is available in multiple locations, including:

- The financial aid section of Student Self-Service – this will list the detailed cost of attendance for the specific student and will take into consideration adjustments made through the Budget Adjustment Appeals request.
- The Office of Financial Aid's website.
- In addition, the Office of Financial Aid retains historical records of all Cost of Attendances related to each NEOMED program. Students can contact the Office of Financial Aid at finaid@neomed.edu to request copies of past detailed Cost of Attendances.

Requests for Reconsideration

Special circumstances may affect your Financial Aid eligibility or allow the Office of Financial Aid to increase a student's Cost of Attendance to allow access to additional financial aid funding. Federal regulations also allow NEOMED to use professional judgment to evaluate circumstances and potentially change your Student Aid Index (SAI) or ability to qualify for additional aid. Students may request an additional review of either their FAFSA data or non-billable items within the cost of attendance by requesting either a Budget Adjustment, or a Request for a Special Circumstance.

Students should familiarize themselves with each related policy for a Budget Adjustment, found in the Establishment and Revision to the Cost of Attendance Policy or the Financial Aid Special Circumstance Policy. Both policies can be found in the University's policy portal and on the Office of Financial Aid's website.

A request for reconsideration does not guarantee an increase to a student's financial aid eligibility or a change to a Student Aid Index (SAI). Inquiries on this process should be made with the Office of Financial Aid.

Financial Aid

Maintaining Eligibility

Maintaining Eligibility

Satisfactory Academic Progress for Financial Aid

The Higher Education Opportunity Act (HEOA) requires that NEOMED establish a reasonable Satisfactory Academic Progress (SAP) policy for determining whether an otherwise eligible student is making satisfactory progress in his or her educational program and eligible for Federal Student Aid Title IV (Title IV) funds. This Policy outlines the standards for, and determinants of SAP as outlined by federal regulations regarding Title IV funds; it is not related to the academic guidelines set forth by the Committees on Academic and Professional Progress (CAPP).

This policy applies to all students in all Colleges and determines student eligibility for Title IV funds and institutional funds. Students who do not receive Title IV and/or Institutional funds are evaluated for SAP to determine eligibility for possible future requests of Title IV funds. Students should familiarize themselves with the Financial Aid Satisfactory Academic Progress Policy, available in the University's policy portal, and on the Office of Financial Aid's website.

Renewal of Eligibility

The process of applying for and receiving financial aid requires annual application materials. The Office of Financial Aid posts application cycle information annually on the Applying for Financial Aid section of the website.

Financial Literacy

We know financing an education can be very stressful. To ensure that students have a full understanding of their financial commitment, the Office of Financial Aid offers the following education debt management programming, or offers access to online resources to receive further information:

- Admission Interview Day – Applicants are presented with a prospective guide sheet that outlines the cost of attendance, obtaining in state residency reclassification for non-residents, how to apply for the Free Application for Federal Student Aid (FAFSA), scholarship searching, types of financial aid, credit report information, and consumer information.
- First Time Borrowers – Prior to the disbursement of a federal student loan, a student must complete student loan entrance counseling. Students complete an online counseling module on studentaid.gov, and information is transmitted to NEOMED to confirm completion.

- During their time enrolled, students have access to members of the Office of Financial Aid to discuss their loan portfolio, and how their decisions now will impact their future. The Office of Financial Aid staff hold informational tables during the lunch hours in the NEOMED Education and Wellness Center for general questions, hold office hours during NEOMED regular office hours, and will meet with students in-person or virtually. NEOMED staff will utilize education debt management modules published by the Association of American Medical Colleges to aid in their efforts to ensure students have access to reputable information related to student loan management. In addition, the Office of Financial Aid staff will speak to students during required class meetings and student interest group meetings to educate them on critical deadlines, and scholarship availability.
- Exiting Borrowers – Students who are preparing to leave NEOMED (withdrawal, dismissal, graduation) are required to complete student loan exit counseling. During the loan exit counseling session, students will be presented with their options on repayment, deferment/forbearance, and loan forgiveness programs related to the federal student aid program. Students who borrowed a NEOMED administered loan will be given counseling on the repayment program for these loan types.

Student loan exit counseling is required by all graduating student loan borrowers and is a condition for receiving a diploma from NEOMED. Students will complete an online exit counseling session on studentaid.gov. Confirmation of the completed session will be electronically sent to NEOMED by Federal Student Aid Direct Loans. Additionally, the Office of Financial Aid conducts in person workshops for student loan repayment options and may contract with reputable education debt management counseling companies to aid in counseling students.

Financial wellness materials offered by the Office of Financial Aid is made available on the Office of Financial Aid website, along with the Office of Financial Aid intranet site.

Financial Aid

Offers and Disbursement

Awarding of Financial Aid Funds

Determining Financial Need

The Free Application for Federal Student Aid (FAFSA) is required to determine need. Financial Need equals Cost of Attendance minus Resources minus Student Aid Index (SAI from FAFSA). To qualify for need-based aid, a student must demonstrate financial need. Resources include non-need based institutional aid and outside aid that a student is expected to receive.

Federal methodology used to determine SAI includes but is not limited to:

- Adjusted Gross Income.
- Family size.
- Savings.
- Assets.
- other debts, expenses, or special circumstances.

A financial aid package will not exceed the Cost of Attendance even when the SAI is a negative number.

Financial Aid Offers

Federal regulations stipulate that a financial aid offer cannot exceed the established Cost of Attendance. A student's financial aid offer includes any educational benefits paid because of enrollment in postsecondary education. There are cases where a student could receive additional aid above the established Cost of Attendance, but only in circumstances of an approved request for reconsideration, as outlined earlier in this section.

The types of financial aid administered by NEOMED includes grants, scholarships and student loans. Students must notify the Office of Financial Aid of all anticipated Other Financial Assistance (OFA) as soon as possible so it can be included in the initial offer. OFA disclosed after the initial offer could result in a revised financial aid offer.

Students are notified by email when offers are ready for review. The financial aid offer is available to students through Student Self-Service. It is the student's responsibility to thoroughly review the terms and conditions of their offer. Gift aid (non-loans) will be accepted on the student's behalf; Self-Help Aid (loans) needs to be accepted by the student, either through Student Self-Service or in person in the Office of Financial Aid. Offers on the initial financial aid offer are represented of aid sources known and eligible at the time of awarding.

A financial Aid Offer is not a guarantee of admittance to NEOMED. Students must meet admission requirements to enroll at NEOMED. In addition, the Office of Financial Aid will issue a Financial Aid Offer based on the assumption of progression to the next academic level. In the event a student must repeat an academic year, the Financial Aid Offer will be recalculated.

The University is not obligated to meet a student's total need or personal lifestyle. Each student's individualized financial aid offer is based on Federal Student Aid guidelines, need, availability of funds and the University's award policies.

Revised Financial Aid Offers:

The University reserves the right to revise any portion of a Financial Aid Offer. Conditions include, but are not limited to:

- If it is determined that the offer is based on incorrect or misrepresented information.
- Funding from any offered program changes.
- Enrollment status changes, such as not progressing as anticipated or not maintaining Satisfactory Academic Progress for Financial Aid Eligibility, or enrollment dropping below half-time status.
- Changes to need-based financial aid eligibility.
- Exceeding annual loan limits due to borrowing at another University during the student's period of enrollment at NEOMED.
- The student is no longer participating in a particular program or meeting the terms and conditions of a service obligated fund.
- An error is made in the calculation of your eligibility or offer, whether by the federal aid servicer, private loan servicer, or NEOMED.
- Changes to a student's financial aid Cost of Attendance.

Dual Enrollment at Multiple Institutions of Higher Education

Students who are engaged in curricular activity at NEOMED and another University concurrently during the same academic year are required to notify NEOMED's Office of Financial Aid if they are receiving financial aid from both universities. There are annual Title IV federal student aid funding limits that cannot be exceeded. Students are financially liable for any funds received over their limits and will be ineligible for future funding until financial restitution is made.

Disbursement of Financial Aid and Related Policies

Students can identify the date of the disbursement of their financial aid by the following methods:

- Logging onto the Office of Financial Aid website to determine term-based disbursement dates by college.
- Students can log into their Student Self-Service account, go to the Financial Aid section, and view their payment schedule under the Financial Aid Offer tab. This option will allow students the ability to see exact disbursement dates if they differ from the term-based dates due to late requests or missing required paperwork needed for the disbursement to be made at the start of the term.

To learn more about the process of disbursing financial aid, including eligibility, timing, methods of disbursement, allowable charges covered by financial aid and credit balance refunds, students should refer to the Financial Aid Disbursement and Credit Balance Refund Policy, available in the University's policy portal, and on the Office of Financial Aid's website.

In accordance with the Veterans Benefits and Transition Act of 2018 (VBAT), NEOMED will refrain from issuing any late fee penalties (an accounting hold placed on their account or late fee penalty) if there is a delay in the disbursement of GI Bill ® benefits. In addition, NEOMED will not require students to access Title IV federal financial aid funds (Direct Unsubsidized and Direct Graduate PLUS Loans) to cover their balance while waiting on the disbursement of GI Bill ® benefits. Students will have the option to borrow Title IV Loans if they so desire and have the flexibility to return them once their GI Bill ® benefits disburse. If a student's GI Bill ® benefits do not cover the full mandatory instructional and required fees assessed, the student is liable to pay the remaining balance in accordance with NEOMED's payment policy. In cases when fees not covered by the GI Bill ® program are not paid in a timely manner, the student is liable for late fee penalties, as well as an accounting hold.

Enrollment Status Changes After an Aid Disbursement

When a financial aid recipient ceases attendance (the student officially withdraws, drops out, or is dismissed from school on or after the first day of a period of enrollment) Accounting and Financial Aid will determine what portion of the offer the student is entitled to keep, what must be returned to the appropriate aid program, or what amount the student may receive in the case of a late disbursement or from the resolution of a credit balance.

Students should familiarize themselves with the Financial Aid Return of Title IV and Institutional Aid Policy, available in the University policy portal, and on the Office of Financial Aid's website to understand how a change in enrollment could affect their ability to retain disbursed financial aid.

Types of Financial Aid Available

Types of Financial Aid Available

NEOMED Foundation Grants/Scholarships:

Private individuals have donated funds to the NEOMED Foundation to provide need-based grants and scholarships. Grants and scholarships are not guaranteed to be renewed from one academic year to the next. Some grants and scholarships are based on need, meaning, analysis of the FAFSA and through a government approved formula. Additional information can be found on the Office of Financial Aid's website. Generally, these grants and scholarships will be issued mid- to late- fall of the current academic year.

Loans:

- **Federal Direct Loans** - Your offer may include a Federal Direct Unsubsidized and/or a Federal Direct Graduate PLUS Loan for Graduate/Professional Students. The lender, Federal Student Aid, requires completion of Entrance Counseling as well as completion of Loan Agreements (Master Promissory Notes) for each loan type prior to a disbursement. To complete these requirements, students must use their FSA ID to log in to StudentAid.gov and complete the aforementioned items under the Grants and Loans section. Promissory notes are valid for 10 years, and it is possible to have more than one loan under the same promissory note. If a student does not wish to receive more than one loan under the same promissory note, a new promissory note is required with each loan request. Students are responsible for letting the Office of Financial Aid know their intent to not have more than one loan assigned to a single promissory note.

In addition to completing the lender requirements at StudentAid.gov, students must also log in to Student Self-Service to accept all or a portion of the offered loan(s).

Federal Direct Loans must be paid back post-enrollment, with interest based on the repayment terms outlined in the promissory note. More information on repayment terms can be found on the Federal Student Aid website. Students are required to complete student loan exit counseling when they graduate, withdrawal or enrollment ceases below half-time status.

The Federal Direct Unsubsidized Loan amount is capped each academic year. Borrowing limits are established by Federal Student Aid. There are two categories of borrowing limits, pre-One Big Beautiful Bill Act and post-One Big Beautiful Bill Act.

Pre-One Big Beautiful Bill Act - borrowers continuing in the same degree program and have had a prior direct loan disbursed prior to July 1, 2026 for the degree program. Annual borrowing limits are based on the length of the academic year. The chart below reflects the annual aggregate by college:

	Length of Academic Calendar	9 months	10 months	11 months	12 months
	COP and MPH	$33,000	$34,389	$35,778	$37,167
	COM and BCOD	$40,500	$42,722	$44,944	$47,167
	All other COGS	$20,500	$20,500	$20,500	$20,500

Post-One Big Beautiful Bill Act - borrowers starting a new degree program with classes beginning on or after July 1, 2026, or continuing in the same degree program with no direct loan disbursed for the current degree program prior to July 1, 2026. Annual borrowing limits are based on the degree program. The chart below reflects the annual aggregate by college.

	BCOD, COM, COP	$50,000
	College of Graduate Studies	$20,500

- **Private Education Loan** - Private education loans are available from participating private lenders, and the application process begins with the lender, typically online. Lenders will require school certification to ensure borrowers do not exceed the Cost of Attendance. Private education loan funds must be repaid based on the repayment terms outlined in the promissory note. More information on repayment terms can be found on the lender's website.

Service-Based Opportunities

- **National Health Service Corps (NHSC)** - The purpose of the National Health Service Corps (NHSC) Scholarship Program (SP) is to provide scholarships to students pursuing primary care health professions training in return for a commitment to provide primary health services in a Health Professional Shortage Area (HPSA). The NHSC SP pays for tuition and various other reasonable education-related expenses and provides a monthly stipend to assist with living expenses in exchange for a minimum of two (2) years of full-time service. The service obligation must be completed at an NHSC-approved site in a Health Professional Shortage Area (HPSA). The total number of years of full-time service a scholar is obligated to serve will depend on the number of school years of NHSC SP support received by the scholar, not to exceed 4 school years. More information on these opportunities can be found on the NHSC website.
- **Armed Forces Health Professions Scholarship Program (HPSP)** - This program provides contracts for financial assistance to students in exchange for active-duty service in the Armed Forces (Air Force, Army, and Navy). The service obligation will either be the number of years the scholarship was received or length of residency training, whichever is longer. A military residency match is held both the first and second year after graduation. A student is obligated to accept a military residency if offered. Military residencies do not reduce the number of years of obligation. The benefits the students receive are full tuition and the majority of required fees, books and equipment/supplies, and a stipend. Further information on who to contact concerning this program is available in the Office of Financial Aid. Links to the Armed Forces websites and contacts for each branch can be found on the Office of Financial Aid's website.
- **NEOMED Administered Forgivable Loan Opportunities** - Through the generosity from community foundations, private citizens and hospital corporations, the University may offer forgivable loans that defer the costs of a student's education, ranging from partial to full costs, in exchange for serving in the community for a number of years post-graduation. Locations and length of service along medical practice specialty vary depending on the opportunity.

Other Sources of Aid

Many students receive financial aid from programs beyond those offered by the University and the Federal government.

- **Family/Friends** - Many students do not want to depend on family or friends for financial support while in school. While such independence is admirable, it may limit future options because of high debt levels.

- **GI Bill ® Benefits -** Students who are veterans of the U.S. Armed Forces, or are dependents eligible to receive benefits, and who plan to seek authorization for training at the University through the GI Bill ® programs should make an appointment with the VA School Certifying Official in the Office of Financial Aid, to review proper procedures to follow and contact the U.S. Veterans Affairs Office.
- **NEOMED Emergency Loans** - These loans are distributed in increments of $300 (maximum $1200), have a $1 finance charge per $300 taken and must be repaid with financial aid funds in the semester following the semester in which the loan was taken out. Students interested in obtaining an emergency loan should go to the Accounting/Bursar's office. These funds are disbursed once a week on Friday – either mailed to the student's local address or directly deposited into a checking or savings account.
- **External Scholarships -** The Office of Financial Aid receives notification of external scholarship opportunities from private organizations. Students will be notified of these opportunities through their campus email, as well as advertisement in NEOMED's electronic newsletter, the PULSE. A repository of outside scholarships known to NEOMED Office of Financial Aid is available on the Office of Financial Aid website. Students are urged to investigate opportunities in their hometowns and counties by contacting clubs, organizations, foundations, labor unions, companies, churches and synagogues, county medical societies, sororities, fraternities etc., to determine if scholarships or loans are offered to students.

Tuition and Fees

Tuition and Fee Assessment and Payment of Charges

The University is on a semester schedule; therefore, students are billed at the beginning of the summer, fall, and spring semesters. Bills are viewable online via Banner Self-Service (http://www.neomed.edu/students). In summer, tuition and fees are due on the start date for returning students and 2 weeks before the start of the semester for new students. For fall and spring, tuition and fees for all students are due 2 weeks before the start of the semester. The fees will be assessed directly to the student's account 10 days before the due date. Students are notified by way of their NEOMED email when those charges are assessed; paper bills are not mailed. The current academic year's tuition and fee schedule can be reviewed on NEOMED's website at https://www.neomed.edu/bursar/fee-register/.

Students may pay by cash, check, or other normally accepted means. Credit card and electronic check payments must be made through the student's Banner Self Service account by way of Transact and are not accepted in the accounting office. Students are required to either pay their tuition and fees in full, accept federal or private loans, or be enrolled in an installment payment plan, 20 days after the billing date. Failure to do so will result in a non-refundable $50 late fee and an accounts receivable hold placed on the student's educational record. This hold will prevent the student from registering for classes, viewing grades, etc. Failure to pay the balance in full by the due date, failure to accept federal or private loans, failure to enroll in an installment payment plan, or failure to pay the installment payment plan in accordance with the established due dates will result in non-processing of a student's registration and the withdrawal of permission to attend classes and/or participate in clerkships. No student will be allowed to graduate unless all outstanding account balances owed to the University are met and the loan exit paperwork has been turned in to accounting. No arrangements will be considered for any student who cannot pay the balance of the fees due before the end of the summer term or a semester.

Payment Plans

Educational expenses are easier to pay when spread over predictable monthly payments. Our Installment Payment Plan, administered by Transact, is an alternative to large term payments and helps limit borrowing. The current academic year's payment plan schedule can be viewed on NEOMED's website at https://www.neomed.edu/bursar/installment-payment-plans/.

Key features of the Installment Payment Plans include:

- Convenient monthly payments not to exceed 6 months
- 24-hour account access
- Toll-free personal service Monday-Friday at (800) 339-8131
- Online enrollment via electronic signature
- FERPA compliant pins for parents
- Automatic recurring payment options
- Offers different payment options including credit card, ACH, 529, and debit cards
- Auto generated emails or texts for bills, reminders, and receipts.
- Payments will be updated to your student account immediately after making a payment.

In addition, if you are expecting loans, grants, or financial aid, there is no need to wait to enroll after your tuition is billed. Once you enroll in the payment plan, your monthly payment will be adjusted during the semester based upon your account balance. If your account balance decreases, your monthly payment amount will be adjusted automatically. However, if your account balance increases you must first approve the payment increase through Transact. Once approved, your monthly payment amounts will be adjusted accordingly. If you do not approve the adjustment, the additional charges will be your responsibility to pay in full by the due date.

Details on Installment Payment Plans

To enroll in an installment payment plan you must first access Transact through your Banner Self-Service account (http://www.neomed.edu/students) **after** your tuition and fees have been added to your student account. All applicable payment plan options that are available to you will be displayed on your home page.

The following specifics are applicable to all payment plans:

- A $35 per semester, per plan, enrollment fee must be paid at the time of enrollment.
- Bills will be sent via email or text on the 27th of each month.
- The payment due date will be on the first of the month regardless of if the 1st falls on a weekend.
- One reminder will be sent the day following the due date if payment is not made on time.

- A $10 late fee will be assessed 15 days after the due date if payment is not made.
- Payment plans will be cancelled automatically 10 days after the 2nd missed monthly payment and/or 10 days after the final payment is due and not paid. Payment will be due in full immediately following the cancellation of a payment plan. Failure to do so will result in a $50 non-refundable late fee and a hold on the student's account.
- Payments made via credit or debit card will be charged a 2.95 percent convenience fee for domestic cards or 4.25 percent for international cards by Transact. This convenience fee is not charged when paying the enrollment fee with a credit card.
- If an autopayment gets declined, Transact will attempt to process the payment for three days. After the third day, the monthly payments will be suspended, and payment must be made via a different method immediately.
- Once enrolled in an installment payment plan, all payments must be made through Transact. The Accounting Office cannot accept payment(s) from the student for any account balance that is included in the payment plan.
- Students are required to either pay tuition and fees in full or be enrolled in a payment plan 20 days after the billing date. Failure to do so will result in a $50 non-refundable late fee and a hold being placed on your educational record.

Tuition, Fees, and Insurance Refund Policy

Registration does not automatically carry with it the right to a refund or reduction of indebtedness in cases of failure or inability to attend class or in cases of withdrawal. The student assumes the risk of all changes in business or personal affairs. NOTE: The term "refund" used in this section refers to the amount of tuition credited to the student account, not the portion of a payment that will be returned to the student.

Please see Tuition, Fees and Insurance Refund Policy | Policy Portal | NEOMED.

Bitonte College of Dentistry

Bitonte College of Dentistry

The Bitonte College of Dentistry is the newest college within Northeast Ohio Medical University. The college was approved by the Higher Learning Commission in April 2024. The college was granted initial accreditation from the Commission on Dental Accreditation (CODA) for the Doctor of Dental Surgery (D.D.S.) program in August 2024.

History

In 2023, the Northeast Ohio Medical University submitted a proposal to the Ohio Department of Higher Education seeking approval to establish a College of Dentistry, one of only two public colleges of dentistry in the state of Ohio. In July 2023, the Ohio Department of Higher Education approved the establishment of the Doctor of Dental Surgery degree program at NEOMED. In August 2023, NEOMED submitted its application to add a new college to the university to the Higher Learning Commission, the university's institutional accreditor. In April 2024, the Higher Learning Commission approved the addition of a college of dentistry at NEOMED. NEOMED submitted an application to the Commission on Dental Accreditation (CODA) to seek initial accreditation for a D.D.S. program. A site visit was completed in April 2024 and initial accreditation status was granted by CODA in August 2024. The college matriculated its inaugural class of dental students in August 2025.

Mission Statement

Accreditation

Accreditation

The Bitonte College of Dentistry (BCOD) was granted initial accreditation status from the Commission on Dental Accreditation (CODA) in August 2024. The Commission on Dental Accreditation is located at 401 North Michigan Ave, Suite 3300, Chicago, Illinois 60611-4250, website CODA | Commission on Dental Accreditation (ada.org)

Complaints Related to Accreditation Standards, Policies or Procedures

A complaint is defined by the Commission on Dental Accreditation as one alleging that a Commission-accredited educational program, a program which has an application for initial accreditation pending, or the Commission may not be in substantial compliance with Commission standards or required accreditation procedures.

NOTICE OF OPPORTUNITY TO FILE COMPLAINTS: The Commission on Dental Accreditation will review complaints that relate to a program's compliance with the accreditation standards. The Commission is interested in the sustained quality and continued improvement of dental and dental-related education programs but does not intervene on behalf of individuals or act as a court of appeal for treatment received by patients or individuals in matters of admission, appointment, promotion or dismissal of faculty, staff or students. A copy of the appropriate accreditation standards and/or the Commission's policy and procedure for submission of complaints may be obtained by contacting the Commission at 401 North Michigan Avenue, Suite 3300, Chicago, IL 60611-4250 or by calling (800) 232-6108.

For details regarding the Commission on Dental Accreditation complaint policy and procedures for filing a complaint, see: File a Complaint | Commission on Dental Accreditation (ada.org)

Administration

BITONTE COLLEGE OF DENTISTRY ADMINISTRATION	
Dean	Sorin T. Teich, D.M.D., M.B.A.
Associate Dean, Education and Academic Affairs	
Associate Dean, Clinical Affairs	Jean Fox, D.D.S.
Department Chairs	
General Dentistry	Renato Roperto, D.D.S., Ph.D.
Specialty Dentistry	Liran Levin, D.M.D.

Bitonte College of Dentistry

Essential Functions

Essential Functions

Preparation and training to become a dentist requires each student to understand and meet the technical standards required for admission, continuation and graduation as identified below. Faculty have developed course requirements and activities to provide critical elements of training. It is expected that students will participate in all course activities and must not be subject to any legal condition that would bar participation (including but not limited to lectures, seminars, laboratories, clinics, physical examinations, patient procedures) and adhere to individual clinical site rules and regulations as well as Bitonte College of Dentistry policies regarding these activities.

A candidate for the D.D.S. degree must be able to demonstrate intellectual-conceptual, integrative, and quantitative abilities; skills in observation, communication, and motor functions; and mature behavioral and social attributes. Technological compensation and/or reasonable accommodation can be made for some disabilities in some of these areas, but a candidate should be able to perform in a reasonably independent manner without a trained intermediary. The use of a trained intermediary means that a candidate's judgment must be mediated by someone else's power of selection and observation.

Purpose

The following Essential Functions describe the non-academic requirements for admission, progression, and graduation from the Bitonte College of Dentistry program at Northeast Ohio Medical University (NEOMED).

The Bitonte College of Dentistry provides this description of the Essential Functions to inform prospective and enrolled students of the skills, expectations, physical abilities, and behavioral characteristics required to successfully complete the requirements of the dental education program at NEOMED and to provide oral health care services.

Preparation and training to become a dentist requires each applicant and current student to carefully review, understand, and meet the Essential Functions identified below without or with a reasonable accommodation(s) that does not fundamentally alter the curriculum.

NEOMED recognizes the value that individuals with disabilities add to the student body. As such, the Bitonte College of Dentistry complies with the requirements of Section 504 of the Rehabilitation Act and the American with Disabilities Act (ADA) of 1990 and will endeavor to make reasonable accommodations for students with disabilities who are otherwise qualified to perform the essential functions of the curriculum. Applicants and students who would like to request accommodations to perform the essential functions should contact Accessibility Services at accommodations@neomed.edu or call 330.325.6622.

A candidate or student, (hereafter referred to as "student") for the Doctor of Dental Surgery (D.D.S.) degree must be able to demonstrate intellectual-conceptual, integrative, and quantitative abilities; skills in observation, communication, motor functions; ethics and professionalism; and mature behavioral and social attributes. While technological compensation, interpreters and/or other reasonable accommodation may be made for some disabilities, a student must be able to perform in a reasonably independent manner using his or her own intellect, judgment, and diagnostic reasoning skills.

Behavior/Social

General: A student must possess sufficient behavioral, social, and emotional skills and the psychological health required to meet their own needs and the needs of others, the full use of their intellectual abilities, the exercise of good judgment, the prompt completion of all responsibilities attendant to the diagnosis and care of patients, and the development of mature, sensitive, and effective relationships with patients, faculty, staff, and classmates.

Specific:

- Endure physically and emotionally taxing workloads and function effectively under stress to maintain a healthy status.
- Adapt to changing environments, display flexibility, and learn to function in the face of uncertainties inherent in the clinical problems of patients.
- Collaborate effectively with others as a member of the team and appropriately delegate responsibilities in the academic and patient care setting.
- Demonstrate compassion, concern, and empathy for others and interrelate with others with honesty, integrity, respect and without discrimination.
- Continuously hone interpersonal skills including the ability to accept criticism and to modify behavior for the purpose of personal and professional growth.

Communication

General: A student must be able to communicate effectively, sensitively, and efficiently with patients, faculty, staff, peers, and all members of the health care team.

Specific:

- Demonstrate sufficient facility with English to elicit, retrieve and understand verbal and nonverbal information and communicate concepts on written exams and patient records; elicit patient backgrounds; describe patient changes in moods, activity, and posture; and coordinate patient care with all members of the health care team.
- Communicate in lay language so that patients and their families can understand the patient's conditions and, thereby, be more likely to comply with treatment and preventive regimes.
- Observe patients to elicit information, describe verbal and non-verbal changes in mood, activity, and posture, and to develop a health history in a timely manner.
- Establish and maintain a positive and productive therapeutic rapport with patients.

Ethics/Professionalism

General: A student must maintain and advocate for the standards of conduct for ethics and professionalism as set forth in the American Dental Association’s Principles of Ethics and Code of Professional Conduct and the NEOMED Expectations of Student Conduct and Professional Behavior, as well as the policies, procedures and protocols as outlined in the NEOMED Compass.

Specific:

- Act in the best interest of the patient and society even when there is a conflict with the student’s personal self-interest.
- Conduct oneself as a trustworthy and responsible citizen and act with impeccable integrity in the interactions with the public, patients, faculty, staff, and fellow students.
- Care for others in a respectful, non-discriminatory, and effective manner, regardless of race, religion, sex, sexual orientation, age, gender, disability, or any other protected status identified by NEOMED.
- Practice honesty and ethical behavior, take responsibility for one’s own behavior, and be open to feedback from academic instructors, clinical instructors, University staff and supervisors.

Intellectual/Executive Functioning

General: A student must be able to develop intellectual, cognitive, conceptual, and executive functions and apply these skills in measurement, reasoning, analysis, synthesis of information, problem solving and critical thinking at the level required of a health care professional.

Specific:

- Critically interpret, assimilate, analyze, and apply information from the didactic, preclinical and clinical curriculum and apply it to patient care in a timely manner.
- Participate in and learn from diverse teaching modalities including lecture, small group and team-based activities, technology to facilitate learning, question and answer, and presentation.
- Comprehend three-dimensional relationships and understand the spatial relationships of structures.
- Work both independently and in a collaborative and interprofessional group.

Motor

General: Students must possess sufficient motor functions, physical mobility, strength, equilibrium, and coordination required to perform basic and advanced tasks that are requirements in the didactic, preclinical, laboratory, and clinical settings or essential to providing oral health care to patients.

Specific:

- Possess the motor skills to perform palpation, percussion, auscultation and other diagnostic maneuvers, basic laboratory tests, dental and diagnostic procedures in a timely manner. Such actions require coordination of gross and fine muscular movements, equilibrium, and functional uses of the senses of touch and vision.
- Be certified in and perform basic life support including CPR, transfer and position patients with disabilities, physically restrain adults and children who lack motor control, and position and reposition himself or herself around the patient and chair in sitting and standing positions for prolonged periods of time.
- Promote and support the ability of coworkers to perform prompt care.
- Operate controls, use high-speed or low-speed dental handpieces for tooth preparation procedures, and use hand instrumentation including scalpels for surgical procedures.
- Provide all aspects of patient care within a timeframe as determined by the faculty to simulate real-time professional dental care and that maintains safety and comfort of the patient in live patient care settings.

Observational/Sensory

General:

- A student must be able to acquire a predetermined level of required information through demonstrations and experiences in basic and dental sciences courses including didactic, preclinical, laboratory and clinical activities.
- A student must be able to observe a patient accurately, at a distance and close up, interpreting non-verbal communications while performing dental operations or administering medications. Observation necessitates the functional use of the sense of vision and somatic sensation and is enhanced by the functional use of the sense of smell.

Specific:

- Observe and assess oral health conditions with acuity.
- Detect subtle changes in radiographic density and normal/abnormal variations in oral soft and hard tissues.
- Observe tissue conditions and changes.
- Distinguish depth and width accurately.
- Acquire information from written documents, microscopic slides, projected images, and video. Such information includes, but is not limited to, information conveyed through 1) physiologic and pharmacological demonstrations in cadavers; 2) microbiological cultures; 3) microscopic images of microorganisms and tissues in normal and pathologic states; and 4) demonstration of techniques using dental models, articulators and manikins, lecture, and seminar presentations.
- Acquire information from written documents, and evaluate information presented as images from paper, films, slides, or video.
- Interpret x-ray and other graphic images and benefit from electronic and other instrumentation that enhances visual, auditory, and somatic sensations needed for examination or treatment.
- Perform dental examinations, simulations, and treatments that require the use of sight, touch, and sound; be able to see fine detail, focus at a variety of distances, and discern differences and variations in color, shape, texture, and depth that are necessary to differentiate normal and abnormal soft and hard tissues.
- Use tactile senses to diagnose directly by palpation and indirectly by sensations transmitted through instruments.
- Possess the visual acuity to read charts, records, radiographs, small print, and handwritten notation, and be able to distinguish depth and width accurately.
- Work efficiently and effectively in a noisy, busy environment and verbally communicate effectively with patients.

College of Graduate Studies

College of Graduate Studies

The College of Graduate Studies offers a board portfolio of graduate programs, including basic and translational biomedicine, public health, medical ethics and humanities, foundations of medicine, health systems science, medical science in anesthesia, health innovation and design, and health data science and AI. In addition, the College offers graduate certificates in areas such as health research, public health, public health administration, public health research, global health, medical ethics and humanities, and health data science and AI.

The College supports students pursuing graduate education at NEOMED as well as through collaborative partnerships with other Ohio institutions. For additional information, please visit the College of Graduate Studies website.

History

Established in 2009, the College of Graduate Studies was created to expand NEOMED's mission in graduate education and research. Since its founding, the College has grown to include a wide range of graduate degree and certificate programs spanning biomedicine, public health, ethics, health systems science, and emerging areas such as health innovation and data science. Through ongoing program development and strategic partnerships across Ohio, the College continues to evolve to meet workforce needs and advance healthcare education.

Mission Statement

The mission of the College of Graduate Studies is to instill critical thinking, inspire curiosity, and promote innovation to graduate future generations of scientists, researchers, teachers, health professionals, and community leaders who will use the power of education, research, and scholarship for positive impact.

College of Graduate Studies

Accreditation

Accreditation

All degrees offered through the College of Graduate Studies are accredited by the Higher Learning Commission (HLC). The HLC evaluates the University's mission and standards by assessing the educational aspect, governance, administration, financial stability, admissions, student services, institutional resources, student learning, and institutional effectiveness.

In addition to HLC the following programs have specialized accreditation. The Master of Public Health program is fully accredited by the Council on Education for Public Health (CEPH). The NEOMED Master of Medical Science in Anesthesia Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of The Accreditation Review Committee for the Anesthesiologist Assistant (ARC-AA).

Complaints Related to Accreditation Standards, Policies or Procedures

The NEOMED College of Graduate Studies is committed to a policy of fair treatment of its students in their relationships with other students, faculty, staff, and administrators. Students are encouraged to seek an informal resolution of the matter directly with the individual when possible. Students may also seek resolution from their student representatives or the Office of Student Services. When a resolution is not feasible, procedures have been established to assist the student informally or formally in registering a complaint utilizing the Student Academic Complaints and Disputes | NEOMED Office of Student Services

All degrees offered through the College of Graduate Studies are accredited by the Higher Learning Commission (HLC). Complaints about the College of Graduate Studies should be directed to their attention utilizing the HLC website.

Council on Education for Public Health - CEPH

The Master of Public Health degree is accredited by the Council on Education for Public Health (CEPH), in addition to the HLC. **Before submitting a complaint to the CEPH, a student must have exhausted all administrative processes within the University.** This means the student must have already followed the University's processes through all possible levels of appeal. The student must submit proof of completion of all processes with their written complaint to CEPH.

The complaint must relate to violation of accreditation standards. Completion of the complaint form requires the student to identify which specific standard(s) they believe the unit has violated. CEPH is not a mediator of disputes and is unlikely to get involved in disputes related to grades or other issues that can be resolved on an individual basis.

Anonymous complaints pertaining to accreditation matters are retained and, depending on the circumstances and the nature and severity of the complaint, as determined by the CEPH Executive Director and/or the CEPH Executive Committee, may be forwarded to the dean, program director or program leader for a response.

CEPH's Accreditation Procedures provide more information about the formal complaint process.

Administration

COLLEGE OF GRADUATE STUDIES ADMINISTRATION	
Dean	Julie M. Aultman, Ph.D.
Vice Dean	S. Scott Wisneski, Pharm.D., M.B.A., R.PH.
Program Directors	
Basic and Translational Biomedicine	Matthew Smith, M.S., Ph.D.
Health Data Science and AI	Philip Turk, Ph.D., M.S.
Health Innovation and Design	Bernhard Fassl, M.D.
Health Innovation and Design	James Keszenheimer, Ph.D., M.B.A.
Health Systems Science	Vivian Von Gruenigen, M.D., CPE, M.S.
Master of Foundations in Medicine	Erin Franks, Ph.D.
Master of Medical Science in Anesthesia	Nathaniel Flath, CAA
Master of Science in Mental Health Practice	Erin Fekete, Ph.D.
Medical Ethics and Humanities Programs	Julie M. Aultman, Ph.D.
Public Health	Amy Lee, M.D., M.P.H., M.B.A.

Administration of Graduate Education

The NEOMED College of Graduate Studies (COGS) is led by a collaborative administrative and governance structure that includes the Dean and Vice Dean, graduate faculty, the Graduate Faculty Council (GFC), and administrative staff. Together, these groups support the academic mission, program development, and overall operations of the College.

Dean of the College of Graduate Studies

The Dean serves as the chief officer of the College of Graduate Studies and chairs the Graduate Faculty Council. The Dean is responsible for providing strategic leadership, implementing college priorities, and overseeing academic programs, policies, and operations.

Vice Dean of the College of Graduate Studies

The Vice Dean supports the Dean in the leadership and administration of the College of Graduate Studies. This role may include oversight of academic operations, program development, assessment, and strategic initiatives, as well as serving on behalf of the Dean when needed.

Faculty

Graduate faculty are recognized experts in their respective fields and are committed to fostering a rigorous, engaging, and supportive learning environment for graduate students.

Graduate Faculty Council

The Graduate Faculty Council (GFC) serves as the representative body of the graduate faculty and functions as the primary advisory and governance group for academic matters. The Council proposes policies and procedures to the Dean and provides guidance on the administration and continuous improvement of graduate education within the College.

Administrative Staff

Administrative staff support the day-to-day functions of the College of Graduate Studies, including curriculum management, academic assessment processes, and operational activities. They collaborate with faculty and leadership to support individual programs and courses, as well as the implementation of new academic programs, while ensuring compliance with institutional policies and facilitating the effective delivery of academic programs and student services.

Assistantships and Graduate Appointments

Assistantships and Graduate Appointments

Graduate Appointee Involvement in Governance

Graduate student appointees shall be represented at appropriate levels of university governance in order to ensure a healthy exchange of ideas among students, faculty, and administration, and to utilize the valued counsel of graduate students. The principal guideline should be that graduate appointees participate in policy decisions, not including personnel matters.

Curriculum Committees

Graduate student appointees shall be represented on curriculum committees. The number of representatives, their qualifications, and their mode of selection shall be determined by the College. The committee chair shall identify those meetings or parts thereof for which attendance by graduate student appointees is not expected.

Graduate Faculty Council

Graduate students shall be represented by voting member(s) on Graduate Faculty Council. The number of such students and their qualifications shall be determined by the graduate faculty. They shall be nominated by program directors and approved by the Graduate Faculty Council. The council chair shall identify those meetings or parts thereof for which attendance by graduate student appointees is not expected.

University Council

Graduate appointees shall be invited to and included in University Council. The University Council president shall identify those meetings or parts thereof for which attendance by graduate student appointees is not expected.

Graduate Appointment Service Commitment

At NEOMED, a graduate appointment is granted to a graduate student in order to give that student partial financial assistance and support for graduate study and to obtain a service commitment which will be both beneficial to the student's professional needs and goals and to the University's endeavors. The role of a graduate appointee is often that of both student and instructional colleague.

In order to be eligible for a graduate appointment, a student must be enrolled in specific degree programs and enrolled for a minimum of nine credit hours per semester. A graduate appointee who holds an academic year full time appointment is expected to provide service to the College of Graduate Studies which approximates 20 hours per week for a total of 300 hours per semester.

If necessary, to have the graduate assistant work the week before classes start, the week after classes end, or during breaks, the weekly hours need to be adjusted so no weekly total exceeds 25 hours, and the total hours worked does not exceed the required hours of commitment. Such arrangements should be understood by the appointee and the appointing unit at the outset of the appointment period.

In all instances it is expected that the appointee and the appointing unit will strive to ensure that the service commitment is beneficial to the appointee's professional growth and is commensurate with the mission and goals of the appointing unit and of the University.

The tuition remission for an appointee should cover a full-time student's enrollment. The 20 hours of service can include a mixture of committee service, and research or teaching assistantship. The teaching assistantship burden for certain courses is such that participation in such a course can fulfill the annual service requirement for a graduate student appointee.

Appointments or reappointments, including tuition remission, are not automatic, but are contingent upon good degree progress and satisfactory performance of duties as determined by the grantor of the tuition remission and/or stipend.

Categories of Graduate Service Appointments

The graduate appointments outlined below are intended to provide minimal support to enable a student to spend the maximum amount of time in the pursuit of his/her graduate studies with the objective of completing the degree in the shortest amount of time. To this end, it is considered inappropriate for a full-time graduate appointee to be engaged in substantial additional employment. Except in unusual circumstances and with the approval of the Dean of Graduate Studies, a graduate appointee may not hold an additional formal appointment through which the total commitment of service at Northeast Ohio Medical University exceeds 20 hours per week.

Research Assistantship (RA)

A student receiving a Research Assistantship is expected to assist a faculty member in his or her research or other scholarly activities. No teaching or service responsibilities are assigned to Research Assistants.

Teaching Assistantship (TA)

A student receiving a Teaching Assistantship is expected to assist a faculty instructor of record (e.g., lecture, laboratory, grading) for an assigned course. The responsibilities of a teaching assistant include the following:

• Meeting with course instructor(s) before the beginning of the course to establish organizational guidelines for the course.

• Meeting on a regular basis with the course instructor(s) and other teaching assistants in the course(s) to ensure on-going communication regarding student progress as well as course activities.

• Attending class meetings.

• Exam preparation.

• Grading of exams and/or papers.

• Copying course materials such as exams, syllabi and handouts.

In addition to the appointments listed above, a graduate student's advisor can choose to fully support a student by providing a stipend equivalent to that provided by the College of Graduate Studies. In such a case, the graduate appointment service requirement will be waived.

Evaluation of Performance

The College of Graduate Studies shall establish effective means of evaluating and documenting the teaching and other duties performed by each graduate appointee, who has a service commitment, in order to aid the professional growth of the appointee. This evaluation and documentation shall be used for the purpose of counseling the graduate appointee and to assist in making decisions regarding reappointment.

College of Graduate Studies Policy

Northeast Ohio Medical University affirms its adherence to the following College of Graduate Studies policy that is designed for new appointees: Acceptance of an offer of financial aid (e.g., a graduate assistantship) for the next academic year by an actual or prospective graduate student completes an agreement which both student and College of Graduate Studies expect to honor. In those instances when the student accepts the offer to matriculate by April 15 and subsequently desires to withdraw, the student may submit in writing a resignation of the appointment at any time through April 30. However, an acceptance given or left in force after April 30 commits the student not to accept another offer without first obtaining a written release from the institution to which a commitment has been made. Similarly, an offer by an institution after April 15 is conditional on presentation by the student of the written release from any previously accepted offer. It is further agreed by the institutions and organizations subscribing to the above Resolution that a copy of this Resolution should accompany every assistantship offer.

Reappointment, Dismissal and Resignation Policy

At the time of the initial notification of appointment, the College of Graduate Studies shall clearly communicate its policy on limits on the number of years of support at the master's and doctoral levels. Reappointment is determined by the College of Graduate Studies. Reappointment may be available, contingent upon good progress toward completion of the degree and satisfactory performance of duties. If a service appointee is not to be reappointed, the student will be given written notice informing them of the non-reappointment and the reasons. Notices of non-reappointment and of reappointment will be given to students no later than April 30. During the semester in which an appointee receives a master's degree, the student must apply and be accepted into a doctoral program to be considered for further appointments at NEOMED. A student may not simultaneously hold a graduate appointment and a full-time fellowship or other appointment from a non-university source.

Dismissal is the termination of the contract for cause. Dismissal may be affected for the violation of the terms of the appointment. The College of Graduate Studies, with direction from the program, will give written notice of a recommendation for dismissal to the appointee along with the reasons for the recommendation. If a student is dismissed for academic reasons, then the appointment is terminated at that time. Any service appointee who has not been reappointed or has been dismissed may appeal the decision. The appeal must be initiated in writing to the Dean of the College of Graduate Studies within one week of non-reappointment or dismissal.

Notification of resignation by a service appointee is expected to be early enough to avert serious detriment to the university. An appointee intending to resign should give written notice to the program director and the Dean of the College of Graduate Studies as early as possible. The appointee may inquire into and consider the acceptance of an appointment elsewhere anytime and without previous consultation. It is agreed, however, that if a definite offer follows, the appointee shall not accept it without giving such notice, in writing, as is indicated in the previous provision (Section IV).

Grievance Policy

To provide guidelines and methods for resolving complaints by graduate appointees of actions by faculty members or administrators which may be in violation of the Policy on Role and Status of Graduate Student Appointees.

Resolution

If an issue cannot be resolved through informal conversations between the graduate appointee and other interested parties following reasonable attempts to achieve resolution, the graduate appointee may initiate a formal complaint by notifying, in writing, the Dean of the College of Graduate Studies.

The Dean of the College of Graduate Studies may impanel an ad hoc grievance committee to resolve the complaint. The committee shall be comprised of graduate faculty members who are able to render a disinterested judgment. The committee will make a recommendation to the Dean of the College of Graduate Studies as to the disposition of the complaint.

Appeal

If the graduate appointee is dissatisfied with the resolution decided by the Dean of the College of Graduate Studies, he or she may appeal the decision, in writing, to the Vice Dean of the College of Graduate Studies. The Vice Dean, or designee, will evaluate and respond within ten (10) working days. The decision of the Vice Dean of the College of Graduate Studies, or designee, is the final, binding resolution.

Responsibility of Compliance

The Dean of the College of Graduate Studies will be responsible for assuring compliance with this document within the College, with the Dean of the College of Graduate Studies having overall university responsibility.

College of Graduate Studies

Essential Functions

College of Graduate Studies- Essential Functions

In accordance with the Americans with Disabilities Act (ADA) and other relevant disability rights and laws, it is our priority to ensure equal access and participation for students with disabilities in all aspects of academic life. Below are the essential functions expected of graduate candidates enrolled in our programs, along with guidelines for providing reasonable accommodations to support candidates in meeting these requirements. By fostering an environment of understanding, collaboration, and support, we aim to empower every candidate to achieve their academic and professional goals. A candidate for the College of Graduate Studies (COGS) must be able to demonstrate skills in observation, communication, motor function; intellectual-conceptual, integrative and quantitative abilities; and behavioral and social attributes with or without accommodation. Technological compensation and/or reasonable accommodation can be made for some disabilities in some of these areas, but a candidate should be able to perform in a reasonably independent manner.

Observation

A candidate must have sufficient vision and listening to observe effectively in a classroom, laboratory, or experiential setting, depending on the curriculum. Vision (aided or unaided) must be sufficient to allow for processing of information from written materials to include a computer screen, video segments, in-class/laboratory demonstrations, and activities in a clinical or experiential setting.

Communication

A candidate must be able to speak, listen, read, and write in the English language to communicate effectively, with faculty, staff, fellow students, healthcare professionals, and other relevant individuals in a respectful and professional manner. The candidate must be able to perceive nonverbal communication in a variety of educational settings including but not limited to the classroom, laboratory, and experiential setting.

Motor

A candidate must have sufficient motor function so they can access transportation to all academic settings. The candidate must be able to use a computer keyboard in a classroom, laboratory, clinical, or experiential setting. The candidate must be able to respond to alarms and emergency signals and take appropriate actions. Such actions require coordination of both gross and fine muscular movements, equilibrium, and functional use of the sense of touch and vision.

Intellectual-Conceptual, Integrative and Quantitative Abilities

A candidate must have the cognitive abilities necessary to master relevant course content at a level deemed appropriate by faculty and professional instructors. These skills can be described

as the ability to comprehend, memorize, integrate, and apply program related information. The candidate must be able to problem solve using measurement, calculation, reasoning, analysis, synthesis, and evaluation.

Behavioral and Social Attributes

A candidate must possess the emotional health required for full utilization of his or her intellectual abilities, the exercise of good judgement, the use of time-management skills, and the prompt completion of all assignments and tasks in a classroom, laboratory, clinical, or experiential setting. In addition, the candidate must be able to maintain mature, sensitive, and effective relationships with faculty, staff, fellow students, healthcare professionals and other relevant individuals under all conditions including highly stressful situations. Commitment to excellence, service orientation, goal setting skills, academic ability, self-awareness, integrity, and interpersonal skills are all personal qualities that are assessed during the education process. The candidate must demonstrate a willingness to continually reflect on their own values, attitudes, beliefs, emotions, biases, current and past experiences, and consider how these factors affect their thinking, behavior, interactions, and relationships with others. Because the nature of health-related education is based on a mentoring process, candidates are expected to be able to accept constructive feedback and to respond by appropriate modification of behavior.

In addition to the above the following are additional essential functions required of specific programs within the College of Graduate Studies:

Master of Foundation of Medicine (MFM)

Observation - Candidates must be able to observe demonstrations in the basic sciences, including but not limited to such things as dissection of cadavers; interpretation of radiological scans; examination of specimens in anatomy and neuroanatomy laboratories; and analysis of microscopic tissues.

Motor - The candidate must have sufficient gross and fine motor skills to perform cadaveric dissection using medical instruments.

Master of Science in Anesthesia (MMScA)

A candidate should be able to perform in a reasonably independent manner without a trained intermediary. The use of a trained intermediary means that a candidate's judgment must be mediated by someone else's power of selection and observation.

Observation

• A candidate must be able to observe examinations and procedures in the clinical environment and be able to read test results such as electrocardiograms (EKG).

• A candidate must be able to observe a patient accurately at a distance and close at hand.

• A candidate must always remain fully alert and attentive in clinical settings and be able to evaluate patient signs and symptoms for the purpose of triaging patient complaints, monitoring therapeutic measures and treatments, eliciting patient information, describing changes in a patient's mood, activity, posture, and perceive nonverbal communications.

Communication

• A candidate must be able to communicate effectively (in English) with both patients and member of the health care team.

• The candidate must be able to communicate effectively with all members of the healthcare team.

Motor

• A candidate must have sufficient motor function to assess patients using diagnostic maneuvers that comprise a physical examination.

• A candidate must be able to perform the basic and advanced clinical procedures that are the requirements of the program.

• A candidate must be able to execute motor activities required to provide general care, to perform diagnostic procedures and to provide emergency treatment to patients. Examples of emergency treatment and motor functions include but are not limited to: performing cardiopulmonary resuscitation/basic life support (CPR/BLS) and advanced cardiac life support (ACLS), intubation and administration of oxygen and anesthetic gasses, and starting intravenous lines and administering intravenous medications.

Intellectual-Conceptual, Integrative and Quantitative Abilities

• The candidate must be able to synthesize knowledge and integrate the relevant aspects of a patient's history, objective and subjective findings, and surgical procedure to initiate and monitor appropriate anesthesia in a reasonable amount of time.

• The candidate must be able to comprehend three-dimensional relationships and to understand the spatial relationship of structures.

Behavioral and Social Attributes

• The candidate must be able to adapt to changing environments, display flexibility, and learn to function in the face of uncertainties and in situations of physical and emotional stress.

• The candidate must demonstrate ethical behavior and exercise good judgment in the completion of patient care responsibilities.

• The candidate must possess interpersonal skills that promote mature, sensitive, and effective relationships and interactions with patients, including compassion, integrity, motivation, empathy, and concern for others.

Health Innovation and Design (HID)

A candidate should be able to perform in a reasonably independent manner without a trained intermediary. The use of a trained intermediary means that a candidate's judgment must be mediated by someone else's power of selection and observation.

Observation

• A candidate must be able to observe medical examinations and procedures in a different and sometimes challenging clinical environment.

• A candidate must always remain fully alert and attentive in clinical settings and be ready to accompany the local medical team in as they perform their duties.

Communication

• A candidate must be able to communicate effectively, and with sensitivity, in English, especially with non-native English speakers.

• The candidate must be able to communicate effectively and respectfully with all members of the healthcare team, the international hosts, mentors and patients, even and especially if the students' views and values are not aligned with the local hosts' views and values.

Motor and Environment

• If participating in an international experience, a candidate must have sufficient motor function to participate as an observer in routine medical practice at the international sites.

• If participating in an international experience, a candidate must be physically able to join the international healthcare team during their medical duties as an observer. This includes managing heat and cold exposure in some clinical environments, potentially physically strenuous activities (foot travel to remote clinical sites).

• Candidates must have sufficient motor function to use the tools and accomplish procedures in the Medical Device Innovation Center. These functions include the use of basic hand tools, as well as performing the basic operation and maintenance of 3D Printers, machine tools, and other instrumentation. Examples of motor functions reasonably required of students include but are not limited to:

• use of tools such as screwdrivers, drills, taps, hammers, etc.

• cleaning and preparation of 3D printers.

• use of milling machines, drill presses, bench sanders, lathes, and electric saws.

• application of adhesives and other joinery devices.

• use of test and measurement tools and instrumentation.

• use of solders and soldering tools.

• working with electrical circuits and wiring.

• basic upkeep and maintenance of the lab.

• working with solvents and cleaning agents.

Intellectual-Conceptual, Integrative and Quantitative Abilities

• The candidate must be able to synthesize knowledge and integrate the relevant aspects of a patient's history, social, environmental and economic findings.

• If participating in an international experience, the candidate must be able to navigate travel and associated challenges such as airplane delays, travel disruptions due to weather or road conditions.

Behavioral and Social Attributes

• The candidate must be able to adapt to changing and different environments, display flexibility, and learn to function in the face of uncertainties and in situations of physical and emotional stress.

• The candidate must demonstrate ethical behavior and exercise good judgment in the completion of patient care responsibilities.

• The candidate must possess interpersonal skills that promote mature, sensitive, and effective relationships with patients, including compassion, integrity, motivation, empathy, and concern for others.

College of Medicine

College of Medicine

The College of Medicine develops physicians and transformational leaders from and for Ohio. Our students excel in areas ranging from delivering primary care in underserved areas to practicing in specialty areas which are in demand by the world's best health systems. The College of Medicine is proud to partner with more than 30 health systems across the state of Ohio to provide hands-on clinical educational experiences for our students. We have also developed innovative admission pathways with several of Ohio's finest undergraduate educational institutions. For more detailed information, please refer to the College of Medicine section of the Compass and the College of Medicine website.

History

In August 1973, the Ohio General Assembly passed legislation establishing a College of Medicine made up of a unique affiliation of three state-supported universities in Northeastern Ohio — the University of Akron, Kent State University and Youngstown State University.

In 1974, Rootstown was chosen as the site for the basic medical sciences campus. In 1975, 42 students were selected for the charter class and began undergraduate studies at the three partner universities. In September 1977, charter class members began the medical phase of their studies at the newly completed Rootstown campus, with the class size increased to 48 by the addition of students who had already completed a traditional premedical curriculum. Commencement for the College's charter class occurred May 26, 1981. Since that time, the College's class size has increased to 200 students and has expanded into healthcare systems across the state of Ohio.

The overall goal of the College of Medicine is to graduate well-qualified doctors who will be able to excel in any field of specialization, and who have had significant training in the principles and practices of community care with a desire to be transformational leaders.

Mission Statement

The College of Medicine at NEOMED, through education, research and public service inspires medical students to become exemplary patient care centered physicians. We seek to improve the health and quality of life of the communities of Ohio and beyond, including those both diverse and underserved.

College of Medicine

Accreditation

Accreditation

Accreditation is an important indicator of the quality of a college. The Liaison Committee on Medical Education (LCME) is solely responsible for accrediting programs that lead to the M.D. degree in the United States. State boards of licensure require physicians to be graduates of accredited medical schools.

The College of Medicine is fully accredited by the LCME. An LCME comprehensive site visit took place during the 2018-2019 academic year. The next comprehensive site visit will occur in April of 2027. Further information regarding the LCME may be found at lcme.org.

College of Medicine - LCME Standards and Medical Student Complaints

The College of Medicine is committed to fair treatment of its students, faculty, staff, and administrators. All parties are encouraged to seek an informal resolution of the matter directly with the individual when possible. Students may also seek resolution from their student representatives or the Office of Student Services. When a resolution is not feasible, procedures have been established to assist the student informally or formally in registering a complaint.

Medical education programs leading to the MD degree in the United States and Canada are accredited by the Liaison Committee on Medical Education (LCME). The LCME's scope is limited to complete and independent medical education programs whose students are geographically located in the United States or Canada for their education and that are operated by universities or medical schools chartered in the United States or Canada.

The LCME will consider complaints, information from credible and verifiable public media (i.e., print or online newspaper articles, and third-party comments about program quality, which, if substantiated, may constitute noncompliance with one or more accreditation standards and/or unsatisfactory performance in one or more accreditation elements. The LCME will not intervene on behalf of an individual complainant regarding, for example, matters of admission, appointment, promotion, or dismissal of faculty or students.

For information about the LCME procedures that will be followed to investigate complaints or comments, consult the *Rules of Procedure.* For a list of accredited medical education programs leading to the MD degree, consult the Directory of Accredited Programs

Submitting a Complaint/Comment

Complaints and comments may be submitted to lcme@aamc.org and must include a completed consent form. The written complaint/comment should contain as much information and detail as possible about the circumstances that form the basis of the complaint. **All information related to the complaint must be submitted at the same time as the consent form.** Follow-up information will not be accepted. No investigation can move forward without a signed consent form.

For questions about the process, please email lcme@aamc.org.

A complaint about the LCME itself, LCME practices and standards, or the conduct of an LCME accreditation survey must be sent to the LCME Co-Secretaries, Drs. Barzansky and Catanese, and emailed to lcme@aamc.org.

Administration

COLLEGE OF MEDICINE ADMINISTRATION	
Dean	Marc D. Basson, M.D., Ph.D., M.B.A
Vice Dean and Senior Associate Dean of Academic Affairs	Eugene M. Mowad, M.D.
Senior Associate Dean for Medical Education	Amy Wilson – Delfosse, Ph.D.
Associate Dean for Medical Education	Leah Sheridan, Ph.D.
Associate Dean for Clinical Faculty Affairs	Giselle Hamad, M.D.
Associate Dean for Clinical Education	Khiet Ngo D.O., M.S.
Associate Dean of Quality Initiatives	Sebastián R. Díaz, Ph.D., J.D.
Assistant Dean of Curriculum Data and Assessment	Sara Kosiba, Ph.D.
Associate Dean for Admission and Student Affairs	Douglas Moses, M.D.
Assistant Dean of Student Enrichment	William Demas, MD.
Assistant Dean of Student Affairs	Corrie Stofcho, M.D.
Department Chairs	
Biomedical Sciences	J. G. M. ‘Hans’ Thewissen, Ph.D.
Emergency Medicine	Nicholas J. Jouriles, M.D.
Family and Community Medicine	Paul Hartung, Ph.D. & Brooke Babyak, M.D., (interim co-chairs)
Internal Medicine	Mehool Patel, M.D.
Obstetrics and Gynecology	Edward Ferris, M.D.
Orthopedic Surgery	Jeffrey Junko, M.D.
Pathology	Jennifer Baccon, M.D., Ph.D.
Pediatrics	Shefali Mahesh, M.D.
Psychiatry	Joseph Varley M.D. (Interim)
Radiology	William F. Demas, M.D.
Surgery	Matthew Moorman, M.D.

College of Medicine

Badging Program & Learning Communities

Badging Program and Learning Communities

The College of Medicine offers a program that awards badges to recognize and celebrate students who demonstrate exceptional achievement by acquiring extracurricular, specialized knowledge and skills in specific focus areas. The program allows students to personalize their medical education in line with their passions and career goals.

By engaging in this innovative program, students will enhance their professional development and set themselves apart as transformational leaders. These features set NEOMED graduates apart when they apply for residency training.

Learning Communities

The Health, Education and Advocacy and Leadership (HEAL) Learning Community will help participants develop competency in serving rural, urban and underserved populations. Contact HEALBadges@neomed.edu

HEAL Badges include:

- Medical Humanism

- Global Health
- Medical Spanish Essentials
- Patient Advocacy and Community Health (PACH)
- Rural Medicine (RMED)
- Urban Primary Care Practice (UPCP)

In addition to the HEAL cluster of badges, badges are also available in Scholarship and Research.

The Research and Scholarship Learning Community will instill in you the process of critical thinking and reinforcement of the pathophysiological basis of disease. Contact: RESEARCHBadges@neomed.edu.

College of Medicine

Departments

College of Medicine Departments

The College of Medicine is comprised of 11 academic departments 10 of which are clinical in orientation.

Campus Based Departments

Biomedical Sciences

The Department of Biomedical Sciences contributes to medical, pharmacy and graduate education in all of the foundational sciences to prepare students for their professional careers. Faculty in the department represent a broad scope of scientific disciplines including anatomy, neurobiology, biochemistry, physiology, pharmacology, molecular biology, and microbiology.

Departmental research is focused within several focus areas including musculoskeletal biology, auditory neuroscience, metabolic disease and cardiovascular disease. In each focus area, faculty emphasize a multidisciplinary, collaborative approach to research and training at the graduate and postdoctoral levels.

Departmental faculty are active in service to NEOMED and beyond, contributing to biomedical and scientific education in Northeastern Ohio, and consulting on scientific issues at the national and international levels.

The Body Donor Program and Gross Anatomy Laboratory support NEOMED and other regional institutions with instruction in gross anatomy and neurobiology.

Family and Community Medicine

The Department of Family and Community Medicine teaches in virtually every aspect of the curriculum at NEOMED. From the introductory psychosocial clinical medicine courses, the required clerkships in the M3 year, to electives and research opportunities in the M4 year, the department is integral to the education of our students throughout their time at NEOMED. Faculty have broad expertise not only in the practice of family medicine, but also in population health, access to care, gerontology, and the medical humanities.

Internal Medicine

The Department of Internal Medicine faculty consists of practicing health care professionals from Northeast Ohio Medical University's affiliated hospitals throughout Northeast Ohio. Our faculty members volunteer their time to train our students. These volunteer faculty members model the University's core values in their daily practice and their teaching and mentoring of medical students. The department's success relies on the strengthening of our affiliations with our community partners in health care delivery and our ability to work cooperatively and collaboratively with researchers and educators throughout the entire medical school and university.

Psychiatry

In addition to its training of undergraduate medical students, NEOMED's Department of Psychiatry partners with Summa Health System and Cleveland Clinic Akron General Health System to support general psychiatry residency programs and has an affiliation with a child and adolescent psychiatry fellowship based at Akron Children's Hospital. The department is also home to three coordinating centers of excellence, the Best Practices in Schizophrenia Treatment (BeST) Center, the Criminal Justice Coordinating Center of Excellence (CJ CCoE) and the Ohio Program for Campus Safety & Mental Health (OPCSMH).

Hospital-Based Departments

The remaining clinical departments within the College of Medicine have faculty members distributed among our many affiliated clinical sites and community-based chairs. They include the following disciplines:

Emergency Medicine	Pediatrics
Obstetrics and Gynecology	Radiology
Orthopedic Surgery	Surgery
Pathology	

NEOMED clinical faculty include not only those based at our Rootstown campus but also encompass the many clinical faculty at health care systems across the state of Ohio. These healthcare professionals model the University's core values in their daily practice. They fulfill the University mission of teaching, patient care, and scholarly activity. While the clinical faculty are deeply involved in both leadership and day-to-day teaching of the required clerkships during the M3 year and core and elective rotations in the M4 year, their activities span the entire curriculum, offering essential clinical perspectives throughout the M1 and M2 years. They also teach and assess clinical skills longitudinally throughout the entire medical school experience. Our clinical faculty are leaders in undergraduate medical education as well as instrumental in the wide variety of residency and fellowship programs affiliated with NEOMED. This involvement along the continuum of medical education strengthens opportunities for mentorship and networking for students as they seek residencies among our affiliate healthcare systems and beyond.

College of Medicine

Longitudinal Clinical Assessments

Longitudinal Clinical Skills Assessment for Medicine

The College of Medicine emphasizes the structured and integrated longitudinal assessment of students' development of clinical skills and interprofessional competencies. As part of the required curriculum, students must complete clinical skills assessments and team training using simulated patient scenarios in The Wasson Center for Clinical Skills, Training, Assessment, Scholarship, and Interprofessional Education Services.

Medical students will complete a series of Clinical Skills Assessments throughout the first three years of their medical education. These assessments provide an opportunity for important feedback, as well as evaluation of skills such as communication, history taking, physical exam, differential diagnosis, and development of basic management plans needed to progress through the curriculum.

College of Medicine

Technical Standards

Technical Standards for Admission, Continuation and Graduation

The NEOMED College of Medicine (COM) strives to provide all students with the training to become qualified physicians prepared to enter any residency program and for the subsequent contemporary practice of medicine in accordance with the standards specified by the Liaison Committee on Medical Education. As such, faculty must develop and implement a medical curriculum designed to educate humane physicians for the highest standards of the practice of medicine.

Preparation and training to become a physician requires each student to understand and to meet the Technical Standards Required for Admission, Continuation and Graduation identified below without or with reasonable accommodation. A candidate (and active student, hereafter referred to as candidate) for the Doctor of Medicine degree must be able to demonstrate intellectual-conceptual, integrative, and quantitative abilities; skills in observation, communication, motor functions; and mature behavioral and social attributes as required of a physician. The faculty has developed the course requirements and activities to provide critical elements of physician training. It is expected that students will be able to participate in all course activities and adhere to individual hospital rules and regulations as well as COM policies regarding these activities. Learning is based on active student participation rather than simple observation and/or note taking.

NEOMED recognizes the value that individuals with disabilities add to the student body, institution, and profession. Individuals with disabilities have successfully completed the curriculum of the NEOMED College of Medicine with the support of reasonable accommodation and are engaged actively in clinical practices.

The following Technical Standards describe the non-academic essential qualifications required, in addition to academic achievements, for successful completion of the Educational Program Objectives of the NEOMED College of Medicine.

Observation

The candidate must be able to observe demonstrations and experiments in the basic sciences, examinations and procedures in the clinical environment, and be able to read test results. A candidate must be able to observe a patient accurately.

Communication

A candidate must be able to communicate effectively in English, and to observe patients in order to elicit information; describe changes in mood, activity and posture; and perceive nonverbal communications. A candidate must be able to communicate effectively and sensitively with patients and all members of the health care team.

Motor

Candidates must be able to elicit information from patients by palpation, auscultation, percussion, and other diagnostic maneuvers that comprise a complete physical examination. A candidate must be able to execute those motor activities reasonably required to provide general care, to perform those procedures specified by the curriculum, and to ensure the provision of emergency treatment to patients.

Intellectual-Conceptual, Integrative, and Quantitative Abilities

Candidates must possess abilities including measurement, calculation, reasoning, analysis, and synthesis because problem solving, the critical skill demanded of physicians, requires all of these intellectual abilities. In addition, the candidate must be able to comprehend three-dimensional relationships and to understand the spatial relationships of structures.

Behavioral and Social Attributes

A candidate must be able to fully utilize their intellectual abilities, exercise good judgment, and promptly complete all responsibilities attendant to the diagnosis and care of patients, as well as the development of mature, sensitive, and effective relationships with patients. Candidates must be able to tolerate physically taxing workloads and to function effectively under stress. They must be able to adapt to changing environments, to display flexibility, and to learn to function in the face of uncertainties inherent in clinical medicine. Commitment to excellence, service orientation, goal setting skills, academic ability, self-awareness, integrity, and interpersonal skills are all personal qualities that are assessed during the admission and education process. Because the nature of medical education is based on a mentoring process, candidates are expected to be able to accept constructive criticism and to respond with appropriate modification of behavior.

Process for Assessing the Applicant's Compliance with the Technical Standards

Applicants are required to attest at the time they accept an offer to matriculate that they meet the College of Medicine's Technical Standards, and thereafter must attest on an annual basis that they continue to meet the Standards. These Standards are not intended to deter any student who might be able to complete the requirements of the curriculum with reasonable accommodation. Requests from applicants for reasonable accommodation in meeting the Technical Standards will be reviewed and considered by the University Student Accessibility Services Committee. For additional information about the process for assessing an applicant's compliance with the Technical Standards, contact the Office of Student Affairs.

College of Pharmacy

The College of Pharmacy, founded in 2005, offers the only four-year Doctor of Pharmacy degree (Pharm.D.) program in eastern Ohio. The College is dedicated to interprofessional healthcare education and research. It graduates pharmacy professionals who proactively integrate into the healthcare team to collaboratively advance and deliver optimal patient care. The College also provides pharmacy residency education and teaching certificate programs. For more detailed information, please refer to the College of Pharmacy section of this publication and the College of Pharmacy website.

History

In July 2005, the Northeast Ohio Medical University submitted its proposal to the Regents Advisory Committee on Graduate Study of the Ohio Department of Higher Education seeking approval to establish a College of Pharmacy -- the only program in eastern Ohio. The idea for a College of Pharmacy arose from community and partner feedback to help address the shortage of pharmacists and the lack of pharmacy education in Northeast Ohio.

On Nov. 10, 2005, the Ohio Department of Higher Education approved the establishment of the Doctor of Pharmacy degree program. The NEOMED Board of Trustees ratified the appointment of the founding dean and officially approved the College of Pharmacy at their board meeting on Dec. 16, 2005. The College formally inaugurated its program on Aug. 27, 2007, with the induction of its first class of pharmacy students.

Mission Statement

Northeast Ohio Medical University College of Pharmacy develops indispensable leaders who utilize a collaborative approach to advance the profession of pharmacy through exceptional patient-centered care, research, and service.

Accreditation

Accreditation

The College of Pharmacy is fully accredited by the Accreditation Council for Pharmacy Education (ACPE). The ACPE is located at 135 S. LaSalle Street, Suite 3000, Chicago, IL 60603-4810; 312.664.3575, FAX 866.228.2631, website www.acpe-accredit.org.

College of Pharmacy - ACPE Standards and Pharmacy Student Complaints

The NEOMED College of Pharmacy is committed to a policy of fair treatment of its students in their relationships with students, faculty, staff, and administrators. Students are encouraged to seek an informal resolution of the matter directly with the individual when possible. Students may also seek resolution from their student representatives or the Office of Student Services. When a resolution is not feasible, procedures have been established to assist the student informally or formally in registering a complaint.

The Accreditation Council for Pharmacy Education (ACPE) accredits Doctor of Pharmacy programs offered by colleges and schools of pharmacy in the United States and selected non-U.S. sites. The NEOMED College of Pharmacy Doctor of Pharmacy program was granted full accreditation status by the ACPE Board of Directors at its June 2011 meeting.

ACPE has an obligation to assure itself that any institution which seeks or holds an accreditation status for its professional program conducts its affairs with honesty and frankness. Complaints from other institutions, students, faculty, or the public against a college or school of pharmacy as related to ACPE standards, policies or procedures or continuing education provider will be submitted in writing.

How to File an ACPE-related Complaint:

Complaints related to the NEOMED College of Pharmacy adherence to the standards, policies, or procedures of ACPE must be in writing, provide a detailed description of the complaint and its relation to ACPE standards and/or the ACPE policies and procedures, and must provide direct contact information of the complainant(s). Complaints may either be sent directly to the Dean of Students or to the ACPE office.

Complaints submitted to the Dean of Students:

The student will have the right to meet with the Dean of Students to discuss the complaint within 15 working days. The Dean of Students will consider the complaint, may discuss it with the appropriate individual(s) or office(s) and may request a meeting with the student. The Dean of Students will respond to the student in writing within 20 working days of receipt of the complaint or the personal meeting, whichever comes later.
The Office of Student Services and the pharmacy Office of the Dean will maintain a file of all pharmacy accreditation standards complaints for review by ACPE. The file will include (a) the initial complaint and responses and (b) documentation of procedures used to ensure due process rights of the complainant.

Complaints submitted directly to ACPE: Complaints must be received within 180 days from the date the complainant knew or should have known of the occurrence of facts related to the complaint. These may be submitted by email at csinfo@acpe-accredit.org for professional degree programs or ceinfo@acpe-accredit.org for continuing education providers. Refer to the ACPE website for further details on directly submitted complaints (**https://www.acpe-accredit.org/complaints**).

Administration

COLLEGE OF PHARMACY	
Dean	Katherine M. Tromp, Pharm.D.
Vice Dean	Seth P. Brownlee, Pharm.D., BCCCP
Associate Dean, Student Success and Community Practice Transformation	Jaclyn Boyle, Pharm.D., M.S., M.B.A., BCACP, FASHP
Assistant Dean of Admissions and Director of Student Success	Michael Mueller, Ph.D.
Department Chairs	
Chair and Professor, Pharmacy Practice	Mate Soric, Pharm.D., BCPS, FCCP, FASHP
Chair and Professor, Pharmaceutical Sciences	Moses Oyewumi, Ph.D.

Departments

College of Pharmacy Departments

Pharmaceutical Sciences

The Department of Pharmaceutical Sciences is driven by its commitment to educational excellence and advanced research and ultimately aims to address the current healthcare issues facing society, while enhancing the knowledge of our students through classroom experiences, discoveries, and innovations.

Department research focuses on the investigation of mechanisms causing chronic illness and developing novel therapeutics and drug delivery systems. A few of these include, personalized pharmacotherapy; drug design; advanced drug delivery; Parkinson's disease; traumatic brain injury and vision-related neurodegeneration; many of which are conducted in collaboration with our colleagues in the College of Graduate Studies and the College of Medicine.

Pharmacy Practice

The mission of the Department of Pharmacy Practice is to advance the practice of pharmacy through interprofessional education of exceptional, well-rounded pharmacists who will deliver optimal patient care. Faculty in the Department of Pharmacy Practice include Rootstown-based faculty members and many faculty members in positions shared between NEOMED and community pharmacies, health-system pharmacies, physician practices and other settings across Northeast Ohio. They are actively involved in didactic teaching, experiential teaching, assessments, service to NEOMED, professional organizations, and scholarship.

Longitudinal Clinical Skills Assessment

Longitudinal Clinical Skills Assessment for Pharmacy

The College Pharmacy is unique among schools in its commitment to the structured and integrated longitudinal assessment of students' development of clinical skills and interprofessional competencies. As part of their required curricula, students must complete pharmacy skills assessments (PSAs) and team training through simulation methodology advanced by The Wasson Center for Clinical Skills, Training, Assessment, Scholarship, and Interprofessional Education Services.

Pharmacy students will complete progressive skills assessments throughout the curriculum. During each assessment, students are expected to perform the following when presented with a patient case: a) collect relevant information from a patient and medical chart; b) perform basic physical assessment; c) develop a written therapeutic plan; d) present the plan to a preceptor using the SBAR method; and e) counsel the patient about the plan. There will be increasing complexity in the skills assessments, requiring students to build on knowledge gained throughout the curriculum and previous skills utilized.

College of Pharmacy

Essential Functions

ESSENTIAL FUNCTIONS

The mission of the College of Pharmacy is to develop indispensable leaders who utilize a collaborative approach to advance the profession of pharmacy through exceptional patient-centered care, research, and service. As such, the faculty is responsible for the development and implementation of a pharmacy curriculum designed to educate competent, caring pharmacists with strong communication skills, character, commitment to the community, and dedication to lifelong learning. The required essential functions that are required for admission, continuation and graduation are outlined at the following website: https://www.neomed.edu/pharmacy/admissions/paths/essential-functions/

CAPP - Procedures

General CAPP Procedures

Review of student progress by the college-specific Committee on Academic and Professional Progress (CAPP) is triggered following notification of (1) an academic concern, (2) graduation requirement failure or (3) professionalism concern. A CAPP referral (form located on the NEOMED Intranet) may come from the Office of the Registrar, CAPP Chair or Vice Chair, Deans or other College representative, Office of Student Services, or another designee.

Upon receipt of CAPP referral, the CAPP Chair will determine whether or not a CAPP meeting is warranted. A designee from the college must meet with the student to discuss the notification.

1. **Timely notice:** If a CAPP meeting is determined to be warranted and after the student meeting has occurred, the student is sent a CAPP invitation letter and informed of the following information:

a. Specific event(s) that triggered the CAPP review

b. Date, time, and location of the CAPP meeting to discuss the student's status

c. The opportunity to review his/her student file electronically

d. Instructions on how to prepare for the CAPP meeting, including the availability of the Student Advocate to answer any questions to adequately prepare for the meeting

e. Instructions to complete and submit the CAPP Student Interview Form that becomes part of the student file

f. Instructions for submitting any relevant documentation to the CAPP committee which will become part of the student file

g. Instructions for the student to prepare a verbal explanation of his/her situation for the CAPP meeting

h. The opportunity to have an advisor present at the meeting, who is given an opportunity to speak on the student's behalf; the advisor must be a member of the NEOMED faculty, staff, or student body (not a family member or attorney)

i. If the student is active in the curriculum, the letter also reminds the student of the availability of Counseling Services to provide emotional support and /or community referrals during this time of stress

2. **Access to evidence on which action will be based:** The invitation letter from CAPP provides the circumstance(s) that led to the decision to review the student's performance. Students are provided a link at least three working days prior to their CAPP meeting regarding their student file, which the CAPP Committee will also review.

3. **Opportunity to respond:** Any student receiving such a letter:

a. may meet with the college-specific Student Advocate who can assist the student with preparing for the CAPP meeting.

b. submit the CAPP Student Interview Form provided in the CAPP invite letter.

c. speak to the full committee to discuss performance issues in detail.

4. Opportunity to appeal an adverse decision: Formal CAPP decisions are delivered via Maxient to students NEOMED.edu email. The CAPP decision letter informs the student of the appeal process should the CAPP Committee recommend dismissal. In the College of Medicine, decisions resulting in a repeat year are also appealable as outlined in the decision letter. The Student Advocate is available for support during the appeal process.

5. **COM CAPP Executive Review**

a. The purpose of the COM CAPP Executive Review Committee is to consider appeals from students who received a decision that resulted in dismissal from the COM or resulted in a prolongation of a student's expected progression. Such appeals require presentation of significant new information that was not available for presentation to the CAPP-Medicine Committee or evidence of a procedural error in the CAPP-Medicine proceeding.

- If an appeal is granted, the COM CAPP Executive Review Committee is responsible for a complete review of the case and appeal and rendering a decision regarding the outcome of the matter.
- If an appeal is denied by the COM CAPP Executive Review Committee, the original decision of the CAPP-Medicine committee stands and will take effect. If the COM CAPP Executive Review Committee denies the appeal and upholds the original decision of COM CAPP, the decision becomes final and is not subject to further appeal.

6. **COP, COGS or BCOD CAPP Executive Review**

a. The purpose of the CAPP Executive Review Committee for the Colleges of Pharmacy, Graduate Studies, and Dentistry is solely to consider appeals from students who were recommended for dismissal by the originating respective college CAPP Committee. Such appeals require presentation of "significant and compelling new information that was not available for presentation to the CAPP Committee, or evidence of a defect or irregularity in the CAPP proceeding."

- If an appeal is granted, the CAPP Executive Review Committee will vote on the student outcome, which can include the sanction originally approved by the college CAPP committee.
- If an appeal is denied by the CAPP Executive Review Committee, the original decision of the CAPP committee stands and will take effect. If the Executive Review Committee denies the appeal and upholds the original decision to dismiss, the decision becomes final and is not subject to further appeal.

b. The appeal process begins when a student is informed of the CAPP decision to recommend dismissal. If the student wishes to appeal, he or she should contact their respective Student Advocate to begin the appeals process, which includes submitting a completed Petition for Executive Review Form by the fourth working day following the date of written notification of the decision to dismiss. Failure to respond by that deadline is considered a waiver of the right to appeal, and the decision becomes final.

c. The Petition for Executive Review form requests the student to document any procedural error(s) or new information that will form the basis of the appeal. The Executive Review Committee is obliged to conduct the appeal within ten (10) working days of receipt of the Petition for Executive Review form.

d. As is the case when a student is invited to meet with the CAPP Committee, the student has the right to be accompanied at the appeal meeting by an advisor of the student's choosing, who may be a member of the NEOMED faculty, staff or student body, but may not be a relative or attorney. The student has the opportunity to present and elaborate on the information outlined in the Petition for Executive Review. The Executive Review Committee will also have access to the original CAPP Committee recommendation, the official student file and any other information relevant to the appeal.

e. The student must be informed in writing of the Executive Review Committee's decision within seven (7) working days of the meeting.

CAPP - Bitonte College of Dentistry

Bitonte College of Dentistry Students

The Committee on Academic and Professional Progress (CAPP) evaluates the records of students enrolled in the Doctor of Dental Surgery (DDS) program in the College of Dentistry at Northeast Ohio Medical University to evaluate academic progress, professional development, and readiness for promotion in the curriculum. A CAPP meeting occurs whenever a student reaches a level of concern (for example, failing grades). CAPP enforces specific guidelines for academic advancement, while at the same time providing due process and an individual review of each student's situation. All CAPP meetings are private, and all material presented and discussed is confidential. Students invited to a CAPP meeting are required to attend. Each student is considered individually, on a case-by-case basis, and the student's entire academic and professionalism record is evaluated.

All committee deliberations and decisions will consider maintaining the quality of health education and the safety of patients, the institution, the student, and the community. The CAPP Committee is considered a College of Dentistry faculty committee as stipulated in the College of Dentistry Bylaws, Appendix G.

Students may be referred to CAPP for review of their records for any of the following reasons:

- Academic performance concerns
- Professionalism concerns
- Exceeding or potentially exceeding the maximum length of study (6 years for DDS program)

Membership and Voting Status

CAPP Membership and voting status is outlined in the COD Appendix G available in the NEOMED Policy Portal.

Quorum

Quorum will be based on the majority of the voting membership. The committee may meet by any electronic means necessary to establish a quorum and/or facilitate the meeting.

Students who are required to attend a meeting of CAPP may be accompanied by an advisor of their choosing from the NEOMED faculty, staff, or student body. Because this is an academic meeting, not a legal hearing, the student may not bring an attorney. The student may not bring a relative.

Student support will be provided by the BCOD Director for Student Success (or designee) acting as a student advocate. Other individuals may be invited by the chair to provide information that may augment or clarify information presented.

Individuals found to have a conflict of interest must be recused by the CAPP Chair from participating in any discussion or vote regarding the student's promotion or standing. In the event that a quorum cannot be obtained, the Chair may appoint a delegate member selected from faculty with prior CAPP experience but who does not concurrently serve on the CAPP Executive Review Committee.

Procedures for Meeting

Students are notified in writing by the CAPP administrative support personnel of the requirement to attend a CAPP meeting. A link to the "Student Documentation" folder will be provided in this written communication and will include the CAPP "Student Interview Form (SIF)." The CAPP Student Interview Form must be completed and submitted in the "Student Documentation" folder by the date identified in the student letter and no later than three (3) full business days before the meeting.

At the meeting, students will be given the opportunity to speak confidentially to the reason for the CAPP referral and time will be allotted for the committee members to ask questions of the student. CAPP members will discuss and vote in closed session with a majority vote required for action.

Information that may be considered:

- The CAPP Student Interview Form.
- All information that is part of the student file.
- All documentation submitted by the student by the deadline date.
- All information the student presents at the CAPP meeting.
- All public information concerning the student; and
- All other relevant information.

The Decision

The Committee will consider each case on an individual and comprehensive basis, within the context of the existing policies and legal authority of the University. The Committee will decide on the course of action that is in the best interest of the student, the University, and the community. All voting members are BCOD faculty elected by their peers.

All decisions made by the BCOD CAPP committee are final; decisions that result in dismissal, repeat years, and remediations in excess of what is permitted under university course remediation policy for professional programs, however, are all recommendations to the Dean, and do not become final decisions until approved by the Dean. The student will receive written notification of the Committee's decision. A written statement of the decision will be provided electronically to the student within five (5) working days.

Confidentiality of Information

All information presented is confidential and becomes part of the students' official student record. The information presented at the meeting is for the sole purpose of aiding the Committee in its deliberations and must not be discussed outside the meeting except as necessary to meet an educational or professional development purpose.

Role of the Student Advocate

The BCOD Director of Student Success (or designee) serves as the Student Advocate for the CAPP. The Student Advocate is available to assist the student with preparing for the CAPP meeting and, if requested, is available to meet in person or by phone with the student to answer questions and assist the student following official communication from the committee of the CAPP decision.

The Student Advocate attends the CAPP meeting; is a non-voting member of the committee cannot question the student during the meeting, and does not take the place of the advisor whom a student may select to attend.

Criteria for CAPP Referral

Students may be referred to CAPP for review due to unsatisfactory performance including:

1. Course failure

a. Failure of two or more courses in a single semester

b. Failure of two or more courses within an academic year

c. Failure of four or more courses on the student's academic record during the DDS program (aggregate performance concern)

d. Professional or academic performance concerns

2. Failed remediation

a. The option for repeating remediation can only be granted by CAPP.

b. Decisions regarding repeating remediation are based on students' overall aggregate performance to that point.

3. Any course failure when a student is repeating a course, semester, or year.

4. Failed progression or graduation requirements including but not limited to:

a. Progression requirements

b. Graduation requirements

i. Pass the Integrated National Board Dental Examination (INBDE)

5. Exceeding the maximum length of study of six (6) years, including an identified inability to complete the degree within six years before the six-year period has elapsed.

6. Professionalism concerns

7. Failure to comply with CAPP academic actions and requirements

Academic Action

CAPP may impose any of the following academic actions for unsatisfactory performance as defined above:

1. Permission to Remediate.

2. Repeat course(s).

3. Repeat a semester or year - repeating the semester or year may also require imposing a CAPP-Mandated Leave of Absence between the time of the CAPP decision and the start of the repeat year. Students on a CAPP Mandated LOA are asked to Petition to Return by an identified date to allow CAPP to clear the student for return and ensure any and all expectations during the LOA have been met.

4. Dismissal.

5. Additional academic actions that may be related to unsatisfactory academic performance or unprofessional behavior and intended to support the student's academic success.

Remediation Action

As defined by the course director, including the remediation activities, timeline, and assessment.

CAPP Action – Potential Outcomes of a Failed Remediation

1. CAPP-Mandated Leave of Absence with monitoring

2. Repeat course(s)

3. Monitor professionalism and/or performance concerns

4. Repeat entire semester or year

5. Dismissal

6. Other

When a "repeat" opportunity is recommended, the student is expected to complete the course(s) in their entirety, including completing all assignments with all the expectations of the current coursework for that course, semester, or academic year. This includes any new coursework, modules, testing, and/or evaluations.

CAPP - College of Graduate Studies

College of Graduate Studies Students

The Committee on Academic and Professional Progress for the COGS (CAPP-COGS) considers the records of students enrolled in the College of Graduate Studies at NEOMED based on CAPP Academic Guidelines to evaluate academic performance and assess intellectual readiness and review professionalism and behavior concerns that affect student progress and performance. CAPP-COGS enforces specific guidelines for academic advancement, while also providing due process and an individual review of each student's situation based on CAPP Academic Guidelines. All CAPP-COGS meetings are private, and all material presented and discussed is confidential. Students are required to attend CAPP meetings. Each student is considered individually, on a case-by-case basis, and the student's entire record is evaluated. A strong student support system is the underlying foundation of CAPP-COGS. All committee deliberations and decisions will be guided by the desire to maintain the quality of graduate education and the safety of the community.

Referrals to CAPP-COGS for academic action can be made to any of the following NEOMED constituents:

- Dean of Students
- Dean of COGS
- Program Director(s)
- University Registrar
- CAPP-COGS Chair

Conditions for Referral: Students may be referred to CAPP for review of their records for any of the following reasons:

- Academic performance
- Responsible Conduct of Research
- Professional behavior (see NEOMED's Student Honor Code)
- Exceeding the maximum length of study (COGS Master's degree: six years, Ph.D.: five years; Combined professional degree plus Ph.D. program: eight years from their initial date of enrollment including leaves of absences)

Membership and Voting Status

CAPP Membership and voting status is outlined in the COGS Appendix G available in the NEOMED Policy Portal.

Quorum

Quorum will be based on the majority of the voting membership of the CAPP-COGS Committee. The committee may meet by any electronic means necessary to establish a quorum and/or facilitate the meeting.

Conflicts of Interest

Graduate Studies program directors who are voting members of the CAPP-COGS may be involved in deliberative CAPP meeting discussions, but they must abstain from voting in the matters of students enrolled in the programs which they are responsible for directing to avoid any actual or potential conflicts of interest.

Persons Attending Meeting

Students are required to appear in person or through electronic means at a meeting of CAPP-COGS and may be accompanied by an advisor of their choosing from the NEOMED faculty, staff or student body. Because this is an academic meeting, not a legal hearing, the student may not bring an attorney, nor is the student permitted to bring a relative. Other persons may be invited by the chair to provide information that may augment or clarify information presented. Individuals found to have a conflict of interest may be recused from the meeting and/or the vote by the CAPP-COGS chair.

Procedures for Meeting

Students are notified in writing by the CAPP administrative support personnel of the requirement to attend a COGS-CAPP meeting in person (unless otherwise stated). A link to the “Student Documentation” folder will be provided in this written communication and will include the CAPP “Student Interview Form (SIF).” The CAPP Student Interview Form must be completed and submitted in the “Student Documentation” folder by the date identified in the student letter and no less than three (3) full business days before the meeting. At the meeting, students will be given the opportunity to speak confidentially to the reason for the referral issue and may be questioned by the CAPP-COGS members. CAPP-COGS members will discuss and vote on the case in closed session with a majority vote required for action.

Information That May Be Considered:

- All information that is part of the student file
- All documentation submitted by the student by the deadline date
- All information the student presents at the CAPP meeting
- The CAPP Student Interview Form
- All public information concerning the student; and
- All other relevant information.

The Decision

The Committee will consider each case on an individual and comprehensive basis within the context of the existing rules and legal authority of the University. The Committee will decide by majority vote on the course of action that serves the best interests of the student, the University, and the community. Decisions of CAPP-COGS and/or resulting sanctions for the College of Graduate Studies students are considered decisions with notification provided to the Dean. Academic Affairs will provide the student with a written statement of the decision within five (5) working days. Students may also request verbal communication of the decision by the Student Advocate or designee in addition to a written statement.

Confidentiality of Information

All information presented is confidential. The information presented at the meeting is for the sole purpose of aiding the committee in its deliberations and must not be discussed outside the meeting except as necessary to meet an educational or professional development purpose. Students are prohibited from using an electronic or other device to make or disseminate an audio or video recording of the CAPP-COGS meeting.

Role of the Student Advocate

The identified College of Graduate Studies representative serves as the Student Advocate for the College of Graduate Studies CAPP. The Student Advocate is available to assist the student with preparing for the CAPP meeting and, if requested, is available to meet in person or by phone with the student to answer questions and assist the student following official communication from the committee of the CAPP decision. The Student Advocate attends the CAPP meeting, is a non-voting member of the committee and does not take the place of the advisor whom a student may select to attend.

COGS Standards for Unsatisfactory Performance and Academic Action

Students may be referred to CAPP-COGS for review because of unsatisfactory performance including:

1. Course failure

a. Single year performance

b. Aggregate performance

i. Course requirements

ii. Graduation requirements

iii. Progression requirements

2. Two course grades of C or below

3. Failure to maintain a 3.0 cumulative GPA

4. Failed progression or graduation requirements including but not limited to:

a. Exceeding the maximum length of study (Master's degree: six years; Ph.D.: five years; Combined professional degree plus Ph.D. program: eight years from their initial date of enrollment including leaves of absences) including an identified inability to complete the degree within the maximum length of study before that period has elapsed.

5. Failure to comply with CAPP-COGS academic actions and requirements

Academic Action

CAPP-COGS may impose any of the following academic actions for unsatisfactory performance as defined above.

1. CAPP-Mandated Leave of Absence

2. Retaking or enrolling in comparable courses to achieve mastery of graduate studies (note: original course grades of C or below and retaken course grade will be on student transcripts. The higher grade will be used to calculate GPA).

3. Required enrollment in additional coursework and/or training

4. Dismissal

5. Additional academic actions related to unsatisfactory academic performance or unprofessional behavior and intended to support the student's academic success.

COGS Academic Monitoring and CAPP Referrals and Action Plans

COGS Student Performance	*Academic Monitoring*	*Committee on Academic and Professional Progress (CAPP)*
One or Two course grades of "C"	• Program Director and Dean of COGS are notified of student performance. • An academic needs assessment and monitoring plan is established for student to improve performance. • The program director and/or representative from Learning Center monitor student based on needs assessment and monitoring plan	Subject to referral to CAPP for action
Three or more course grades of "C"	• If student is retained in their academic program following a CAPP meeting, academic monitoring will be done with program director and/or representative from Learning Center.	Automatic referral to CAPP for action
One course grade of "F"	• If student is retained in their academic program following a CAPP meeting, academic monitoring will be done with program director and/or representative from Learning Center.	Automatic referral to CAPP for action
Failure to maintain a cumulative 3.0 GPA	• If student is retained in their academic program following a CAPP meeting, academic monitoring will be done with program director and/or representative from Learning Center.	Automatic referral to CAPP for action
Professionalism Concerns or Behavioral Misconduct	• Professional/behavioral misconduct will be reported to Program Director, Dean of COGS, and others relevant to the type of misconduct. • A professionalism monitoring plan will be established for students committing minor professional and behavioral offenses (e.g., tardiness to class, missed assignments)	NOTE: Professional/behavioral misconduct may be an automatic referral to CAPP (e.g., scientific misconduct) Automatic referral to CAPP for aggregate performance concerns, harm to animal and/or human subjects, and safety and security concerns.

CAPP - College of Medicine

College of Medicine Students

The Committee on Academic and Professional Progress (CAPP) evaluates the records of students enrolled in the MD program at NEOMED based on College of Medicine Academic Guidelines to evaluate academic progress, professional development, and readiness for promotion in the curriculum. A CAPP invitation is issued whenever a student reaches a level of concern as determined by the College's progression standards. CAPP enforces specific guidelines for academic advancement, while at the same time providing due process and an individual review of each student's situation. All CAPP meetings are private, and all material presented and discussed is confidential. Students are required to attend CAPP meetings. Each student is considered individually, on a case-by-case basis, and the student's entire record is evaluated. The CAPP Committee is considered a College of Medicine faculty committee as stipulated in the College of Medicine Appendix G to the Faculty Bylaws. Referrals to CAPP for academic action can be made to the CAPP Co-Chairs, COM Deans, Dean of Students or to the University Registrar.

Students may be referred to CAPP for review of their records for any of the following reasons:

- Academic performance
- Professional conduct
- Exceeding the maximum length of study

Membership and Voting Status:

CAPP Membership and voting status is outlined in the COM Appendix G available in the NEOMED Policy Portal.

Quorum

Quorum will be based on the majority of the voting membership. The committee may meet by any electronic means necessary to establish a quorum and/or facilitate the meeting.

Students appearing at a CAPP meeting may be accompanied by a student support individual of their choosing from the NEOMED faculty, staff, or student body. Because this is an academic meeting, not a legal hearing, the student may not bring an attorney. The student may not bring a relative. Other persons may be invited by the chair to provide information that may augment or clarify information presented.

Individuals found to have a conflict of interest must recuse themselves or be recused by the CAPP Chair from participating in any discussion or vote regarding the student's promotion or standing. In the event that a quorum cannot be obtained, the Chair may appoint a delegate member selected from faculty with prior CAPP experience but who does not concurrently serve on the CAPP Executive Review Committee.

Procedures for Meeting

Students are notified in writing by the CAPP administrative support personnel of the requirement to attend a CAPP meeting. A link to the "Student Documentation" folder will be provided in this written communication and will include the CAPP "Student Interview Form (SIF)." The CAPP Student Interview Form must be completed and submitted in the "Student Documentation" folder by the date identified in the student letter and no later than three (3) full business days before the meeting, unless there is an intervening holiday during this period, in which case the student will be given a specific due date in the letter.

At the meeting, students will be given the opportunity to speak confidentially to the reason for the CAPP referral and may be questioned by the CAPP members. CAPP members will discuss and vote in closed session with a majority vote required for action.

Information That May Be Considered:

- The CAPP Student Interview Form.
- All information that is part of the student file.
- All documentation submitted by the student by the deadline date.
- All information the student presents at the CAPP meeting.
- All public information concerning the student; and
- All other relevant information.

The Decision

The Committee will consider each case on an individual and comprehensive basis, within the context of the existing rules and legal authority of the University. The Committee will decide on the course of action that is in the best interest of the student, the University, and the community.

Decisions of CAPP are considered faculty decisions, with notification of the decision provided to the College of Medicine Dean. A written statement of the decision will be provided electronically to students within five (5) working days. The student may opt to also meet in person or via telephone with the Student Advocate (COM Student Affairs representative) for an optional post CAPP decision meeting.

Confidentiality of Information

All information presented is confidential and becomes part of the students' official record. The information presented at the meeting is for the sole purpose of aiding the committee in its deliberations and must not be discussed outside the meeting except as necessary to meet an educational or professional development purpose. Students are prohibited from using an electronic or other device to make or disseminate an audio or video recording of the CAPP meeting.

Role of the Student Advocate

The Assistant Dean of Students or designee serves as the Student Advocate for the College of Medicine CAPP. The Student Advocate is available to assist the student with preparing for the CAPP meeting and, if requested, is available to meet in person or by phone with the student to answer questions and assist the student following official communication from the committee of the CAPP decision. The Student Advocate attends the CAPP meeting, is a non-voting member of the committee and does not take the place of the support individual whom a student may select to attend.

COM Criteria for CAPP Referral

Students may be referred to CAPP for review due to unsatisfactory performance including:

1. Course failure

a. Single year performance, as described in the CAPP rubric below

b. Aggregate performance (4 or more failures overall on the student's academic record)

2. Course requirements

3. Graduation requirements

4. Progression requirements

5. Failed remediation

a. The option for repeating remediation may only be granted by CAPP.

b. Decisions regarding repeating remediation are based on students' overall aggregate performance to that point:

6. Failed a course in a repeat year or the repeat course for a second time

7. Failed progression or graduation requirements including but not limited to

a. Progression requirements

b. Comprehensive Basic Science Exam (CBSE)

c. USMLE Step 1

d. Graduation requirements

e. USMLE Step 2 Clinical Knowledge

f. Exceeding the maximum length of study (COM: six years; combined medical degree plus Ph.D. program: eight years from their initial date of enrollment including leaves of absences) including an identified inability to complete the degree within six years before the six-year period has elapsed.

g. Unprofessional behavioral misconduct

h. Failure to comply with CAPP academic actions and requirements

Academic Action

CAPP may impose any of the following academic actions for unsatisfactory performance as defined above:

1. Permission to Remediate – may be permitted by the course director in the case of a single course failure and coordinated by Testing Services staff. In the case of aggregate issues, a referral to CAPP is initiated prior to remediation.

2. Repeat course

3. Repeat year - repeating the year may also require imposing a CAPP-Mandated Leave of Absence between the time of the CAPP decision and the start of the repeat year. Students on a CAPP Mandated LOA are asked to Petition to Return by an identified date to allow CAPP to clear the student for return and ensure any and all expectations during the LOA have been met. If, after meeting with CAPP, a repeat year is mandated, the student has the option to fil an appeal to the Executive Review CAPP as described below.

4. Dismissal - If, after meeting with CAPP, a dismissal is mandated, the student has the option to file an appeal to the Executive Review CAPP as described below.

5. Additional academic actions that may be related to unsatisfactory academic performance or unprofessional behavior which are intended to support the student's academic success.

College of Medicine Cohort	Referral to CAPP Committee for Meeting
M4	• Failure of any course or elective • Failure in core competency “professionalism” in any elective or course or core rotation • Professional and/or aggregate performance concerns or by faculty/COM referral • Failure of any USMLE Step 2 CK first attempt will result in a CAPP file review (may not require a meeting) • Failure of any subsequent attempt of USMLE Step 2 CK after first attempt • Failure of any remediation • Failed repeat course and/or failure of any course in repeat year • Exceeding the maximum length of study
M3**	• Failure of the clinical portion of any clerkship • Failure of an NBME retake examination • Failure of any three NBME exams (includes first, retake, and remediation attempts) • Failed repeat course and/or failure of any course in repeat year • Failure of any remediation • Professional performance concerns or referral by faculty/COM • Exceeding the maximum length of study • Aggregate of four course/clerkship/progression requirement failures across M1-M3 years
M2	• Failure of two courses in a single M2 year • Failure of any remediation in M2 • Aggregate of four course/progression requirement failures • Failure of any course in a repeat year • Failure of CBSE retest will result in CAPP file review (may not require a meeting) • Failure of any USMLE Step 1 first attempt will result in a CAPP file review (may not require a meeting) • Failure of any subsequent attempt of USMLE Step 1 after the first attempt • Professional performance concerns or referral by faculty/COM • Exceeding the maximum length of study
M1	• Failure of two courses in a single M1 year • Failure of any remediation in M1 • Failure of any course in a repeat year. • Professional performance concerns or referral by faculty/COM • Exceeding the maximum length of study

***Failure of any two initial NBME exams (different clerkships) requires a meeting with the Learning Center*

Remediation Action

As defined by the course director and/or course syllabus. This includes the expectations necessary to remediate. Testing Services in coordination with the course director determines the date(s) and time(s) of the remediation, in accordance with the Course Remediation for Professional Degree Programs policy.

CAPP Action – potential outcomes

1. CAPP-Mandated Leave of Absence with monitoring
2. Repeat course/courses
3. Monitor professionalism and/or performance concerns
4. Repeat entire year
5. Dismissal
6. Other

When a “repeat” opportunity is recommended, the student is expected to complete the course(s) in their entirety, including completing all assignments with all the expectations of the current coursework for that course, block, or academic year. This includes any new coursework, modules, testing, and/or evaluations.

CAPP - College of Pharmacy

College of Pharmacy Students

The Committee on Academic and Professional Progress (CAPP) evaluates the records of students based on CAPP Academic Guidelines to evaluate academic performance and assess intellectual readiness and review unprofessional behavior concerns. CAPP enforces specific guidelines for academic advancement, while at the same time providing due process and an individual review of each student's situation. All CAPP meetings are private, and all material presented and discussed is confidential. Students may be required to attend CAPP meetings. Each student is considered individually, on a case-by-case basis, and the student's entire record is evaluated. All committee deliberations and decisions will consider maintaining the quality of health education and the safety of the community.

Referrals to CAPP for academic and/or professional action can be made to any of the following NEOMED constituents:

- Dean of Students
- Vice Dean
- University Registrar
- CAPP-Pharmacy Chair
- Director of Experiential Education

Conditions for Referral: Students may be referred to CAPP for review of their records for any of the following reasons:

- Academic performance
- Professional behavior
- Exceeding the maximum length of study

Membership and Voting Status

CAPP Membership and voting status is outlined in the COP Appendix G available in the NEOMED Policy Portal.

Quorum

Quorum will be based on the majority of the voting membership. The committee may meet by any electronic means necessary to establish a quorum and/or facilitate the meeting. To ensure quorum, a former member of CAPP-Pharmacy may be invited to attend the meeting and participate as a voting member.

Persons Attending Meeting

Students may be required to appear in person at a meeting of CAPP (unless otherwise stated) and may be accompanied by an advisor of their choosing from the NEOMED faculty, staff or student body of the University. Because this is an academic meeting, not a legal hearing, the student may not bring an attorney. The student may not bring a relative. Staff support person(s) will be provided by the College of Pharmacy. Other persons may be invited by the chair to provide information that may augment or clarify information presented. Individuals found to have a conflict of interest may be recused from the meeting and/or the vote by the CAPP chair.

Procedures for Meeting

Students are notified in writing by the CAPP administrative support personnel of the requirement to attend a CAPP meeting in person (unless otherwise stated). A link to the "Student Documentation" folder will be provided in this written communication and will include the CAPP "Student Interview Form (SIF)." The CAPP Student Interview Form must be completed and submitted in the "Student Documentation" folder by the date identified in the student letter and no later than three (3) full business days before the meeting. At the meeting, students will be given the opportunity to speak confidentially to the reason for the CAPP referral and may be questioned by the CAPP members. CAPP members will discuss and vote in closed session with a majority vote required for action.

Information That May Be Considered

- The CAPP Student Interview Form.
- All information that is part of the student file.
- All documentation submitted by the student by the deadline date.
- All information the student presents at the CAPP meeting.
- All public information concerning the student; and
- All other relevant information.

The Decision

The Committee will consider each case on an individual and comprehensive basis, within the context of the existing rules and legal authority of the University. The Committee will decide on the course of action that is in the best interest of the student, the University and the community. All voting members are COP faculty and senior students, elected by their peers.

Decisions of CAPP, other than Leave of Absence requests, are considered a recommendation to the College of Pharmacy Dean. Decisions of CAPP, specifically related to Leaves of Absence requests, are considered a final decision. Students may request to meet with a representative from the Office of Student Success for a post CAPP decision meeting. A written statement of the decision will be provided electronically to students within five (5) working days

Confidentiality of Information

All information presented is confidential. The information presented at the meeting is for the sole purpose of aiding the committee in its deliberations and must not be discussed outside the meeting except as necessary to meet an educational or professional development purpose. Students are prohibited from using an electronic or other device to make or disseminate an audio or video recording of the CAPP meeting.

Role of the Student Advocate

A representative from the Office of Student Success serves as the Student Advocate for the College of Pharmacy CAPP. The Student Advocate is available to assist the student with preparing for the CAPP meeting and, if requested, is available to meet in person or by phone with the student to answer questions and assist the student following official communication from the committee of the CAPP decision. The Student Advocate attends the CAPP meeting, is a non-voting member of the committee and does not take the place of the advisor whom a student may select to attend.

COP Standards for Unsatisfactory Performance and Academic Action

Students may be referred to CAPP for review because of unsatisfactory performance including:

1. Course failure

a. Single year performance

b. Aggregate performance

i. Course requirements

ii. Graduation requirements

iii. Progression requirements

2. Failed remediation

a. Option for repeating remediation may only be granted by CAPP.

b. Decisions regarding repeating remediation are based on students' overall aggregate performance to that point.

3. Failed repeat for course or year

4. Failed progression or graduation requirements exceeding the maximum length of study (six years within a single college excluding leaves of absences; this may include an identified inability to complete the degree within six years before the six-year period has elapsed).

5. Unprofessional behavioral misconduct

6. Failure to comply with CAPP academic actions and requirements

Academic Action

CAPP may impose any of the following academic actions for unsatisfactory performance as defined above:

1. Remediation – may be imposed by the course director due to a single course failure and will be approved by the Vice Dean of the college and coordinated by Academic Services staff in collaboration with the Course Director. However, aggregate issues will result in referral to CAPP.

2. Repeat year - repeating the year may also require imposing a CAPP-Mandated Leave of Absence (LOA) between the time of the CAPP decision and the start of the repeat year. Students on a CAPP-Mandated LOA are asked to Petition to Return by an identified date to allow CAPP to clear the student for return and ensure all expectations during the LOA have been met.

3. Repeat course

4. Dismissal

5. Additional academic actions that may be related to unsatisfactory academic performance or unprofessional behavior and intended to support the student's academic success.

Rubric identifying referrals to CAPP and possible action

College of Pharmacy	*Referral to Course Director or the Vice Dean for remediation action*	*Referral to Committee on Academic and Professional Progress (CAPP) for action*
P4	• *Failure of any APPE rotation* • *Note: Professional/behavioral misconduct or aggregate performance concerns may result in CAPP referral rather than remediation*	• Failure of two more APPE rotations • Failure of any remediation, including not meeting the remediation requirements outlined in the remediation plan/contract • Professional and/or aggregate performance concerns • Exceeding the maximum length of study • Any Leave of Absence (LOA) request
P3 P2 P1	• *Failure of a single course* • Note: *Professional/behavioral misconduct or aggregate performance concerns may result in CAPP referral rather than remediation*	• Failure of two or more courses in a single academic year • Failure of 3 or more Pharmacotherapy courses (aggregate) • Failure of 4 or more courses (aggregate) • Failure of any remediation, including not meeting the remediation requirements outlined in the remediation plan/contract • Failure of repeat course and/or failure of any course in repeat year • Professional and/or aggregate performance concerns • Exceeding the maximum length of study

Remediation Action

As defined by the course director and/or course syllabus. This includes the expectations necessary to remediate. Testing Services staff, in coordination with the course director, determines the date(s) and time(s) of the remediation, in accordance with the Course Remediation for Professional Degree Programs policy.

CAPP Action – potential outcomes

1. Dismissal

2. Repeat entire year

3. Repeat semester (partial year)

4. Repeat course/courses

5. Monitor professionalism and/or performance concerns

6. CAPP-Mandated Leave of Absence with monitoring

7. Other

When a “repeat” opportunity is recommended, the student is expected to complete the course(s) in its entirety, including completing all assignments with all the expectations of the current coursework for that course, block, or academic year. This includes any new coursework, testing, and/or evaluations.

Aggregate student performance and comprehensive review of the student’s file will be taken into consideration in the formation of CAPP decisions for individual students. CAPP decisions are based upon each student’s individual and unique circumstances.

Remediation Definitions

Remediation is a series of planned educational interventions focused on the student who has not developed an appropriate baseline understanding and/or application of material taught in a course with the intent to raise that student’s abilities to an acceptable level as determined by a separate assessment.

A course is a continuous, structured series of instruction. Completion of a course will result in a passing or failing grade being reported to the Office of the Registrar. Course expectations for determining a course grade are described in each course syllabus.

CAPP - Executive Review

CAPP Executive Review - College of Medicine - Appeals Process

Any action mandated by the College that results in a dismissal or prolongation of a student’s expected progression may be appealed. Appeals will be limited to situations in which the student feels 1) a procedural error was made by the CAPP-Medicine Committee, 2) there is significant new information that was not available when the original CAPP-Medicine Committee decision was made.

If the original decision was based upon the Academic and Professional Progression Protocols, the student may appeal to the CAPP Committee using the process contained in the letter communicating the decision. The appeal will be scheduled as soon as possible based upon the CAPP meeting calendar. If the original decision was based upon the action of the CAPP Committee during a committee meeting, the student may appeal to the COM CAPP Executive Review Committee similarly using the process contained in the letter communicating the original decision.

The purpose of the COM CAPP Executive Review Committee is to review appeal petitions from students who have been dismissed or who have had on-time progression disrupted based upon a CAPP Medicine Committee meeting. The COM CAPP Executive Review Committee will review appeal petitions only if the student has been dismissed or the length of study has been increased by a CAPP Medicine Committee decision. The request for review must include significant new information that was not available for presentation or known to the student at the time of the CAPP Medicine Committee meeting, or includes evidence of a procedural error in the CAPP Medicine Committee's proceeding. The request for review must state the alleged procedural defect and/or the significant new information.

If a petition for an appeal is submitted, it will be scheduled within ten (10) working days of the deadline date for appeal.

The membership of the COM CAPP committee is described below.

COM CAPP Executive Review Membership and Voting Status

CAPP Executive Review Committee membership and voting status is outlined in the COM Appendix G available in the NEOMED Policy Portal.

Quorum

A majority of the voting members will constitute a quorum.

A student who desires to initiate an appeal of a decision must submit a Petition for Appeal form and all associated documentation to the Academic Affairs personnel identified in the decision letter. Forms are provided with the original decision letter.

The Appeal form and all associated documentation must be submitted in writing by noon on the fourth working day from the date on the decision letter to the office indicated on the form. This date and time will be designated in the decision letter. No additional documentation may be accepted once the appeal deadline date and time expires. Failure to submit a form and any associated documentation within this time will be considered a waiver of the right to appeal.

If a student is dismissed and decides to submit an appeal petition, the student will continue in the curriculum, be considered enrolled full-time, and pay all tuition and fees incurred until the appeal decision is made. Failure to attend a CAPP or Executive CAPP meeting, without prior notification and approval, will result in the appropriate Committee convening to decide, without the opportunity for the student to speak to the Committee.

Information that may be considered in an appeal may include the Appeal Petition form and associated documentation submitted by the appeal deadline date; the original decision letter; all information that is a part of the student file; and all other relevant information. Documentation submitted by the student for the appeal process will become part of that student’s official student file. All information presented is confidential. The information presented at the meeting is for the sole purpose of aiding the committee in its deliberations and must not be discussed outside the meeting except as necessary to meet an educational or professional development purpose.

Students who appear at an appeal meeting may be accompanied by a member of their choosing, from the NEOMED or University-affiliate faculty, staff or student body who is not a relative or an attorney as this process is an academic meeting, not a legal hearing. Other people may be invited by the Executive Review Committee to provide information that may augment or clarify the other information presented. Individuals found to have a conflict of interest must be recused from the meeting and the vote.

Appeals will be decided by majority vote. Students will receive an electronic written statement of the decision within seven (7) working days. Appeal decisions are final.

Students are prohibited from using an electronic or other device to make or disseminate an audio or video recording of any meeting of the CAPP or CAPP Executive review.

CAPP Executive Review – College of Pharmacy, College of Graduate Studies and Bitonte College of Dentistry

The purpose of the CAPP Executive Review Committee is to review appeal petitions from students dismissed by the CAPP Committees for Pharmacy, Graduate Studies, or the Bitonte College of Dentistry, to decide if appeals will be granted or not, and if granted, to vote on the final student outcome.

CAPP Executive Review Committee will review appeal petitions only if the student has been dismissed by the CAPP-COP, CAPP-COGS or CAPP-BCOD Committees and the request for review includes (1) new, significant, and compelling information that was not available for presentation to the CAPP Committee initially or the request for review includes (2) evidence of a defect or irregularity in the CAPP Committee’s proceeding. The request for review must state the substantive or procedural defect alleged to have occurred when the CAPP Committee’s decision was made. If the information the student seeks to introduce through the Executive Review process was available to or known by the student at the time of the CAPP Committee meeting, and was not presented at that time, it cannot serve as the basis for further review.

Disagreement with the CAPP Committees’ decision will not constitute the sole reason for executive review. If a petition for executive review is submitted, the student will be invited to the next scheduled Executive Review meeting and no less than 10 days from the date of the appeal.

CAPP Executive Review Membership and Voting Status

The CAPP Executive Review Committee membership is as follows:

Membership

The CAPP Executive Review will consist of the following members, dependent on the primary college in which the student being reviewed is enrolled:

Chair:

• Vice Dean or designee from the college in which the student is enrolled (ex officio; votes in the case of a tie)

Voting Members:

• Three (3) faculty, the majority of which must be from the college in which the student is enrolled.

Non-voting Members:

• Chair of the original CAPP committee responsible for the initial CAPP case review and decision (non-voting)

• University Registrar or designee (ex officio, non-voting)

• CAPP Administrative Liaison (non-voting)

• Student Advocate (non-voting)

Quorum

Quorum is met when the majority (50% plus one) of voting members is present. The Chair is a voting member and only votes in the case of a tie. The committee may meet by appropriate electronic means necessary to establish a quorum and/or facilitate the meeting, with input from the Chair.

Voting

The Chair of the Executive CAPP committee for a particular session will vote only in the case of a tie. Any member who previously reviewed the case at one of the College-level CAPP meetings may not vote on the appeal petition for the same case.

A student who has been dismissed because of a CAPP decision and who desires to initiate an appeal of a decision of CAPP must submit a Petition for Executive Review form and all associated documentation to the CAPP Administrative Liaison identified in the decision letter. Forms are included in the CAPP decision letter.

Petitions for Executive Review forms and all associated documentation must be submitted in writing by noon on the fourth working day from the date on the CAPP decision letter to the office indicated on the form. This date and time will be designated in the CAPP decision letter. No additional documentation may be accepted once the appeal deadline date and time expires. Failure to submit a form and any associated documentation within this time will be considered a waiver of the right to appeal and the original CAPP committee decision will go into effect.

Failure to attend the Executive Review Committee meeting, without prior notification and approval, will result in the Committee convening to decide, without the opportunity for the student to speak to the Committee. If a student is dismissed by CAPP and the student decides to submit an appeal petition, the student will continue in the curriculum, be considered enrolled full-time, and pay all tuition fees incurred until the final Executive Review Committee decision is made.

The Executive Review Committee will address the petition for appeal based on the conditions stated above. If the Executive Review Committee grants the appeal, a decision regarding the final action/sanction is made.

Information that may be considered in the Executive Review Committee meeting may include the Petition for Executive Review form and associated documentation submitted by the appeal deadline date; the original CAPP decision; all information that is a part of the student file; and all other relevant information. Documentation submitted by the student for the CAPP process will become part of that student's official student file.

Other people who may attend the Executive Review Committee meeting include the student submitting the appeal petition. Students who appear at a meeting of the CAPP Executive Review Committee may be accompanied by a member, of their choosing, from the NEOMED or University-affiliate faculty, staff or student body who is not a relative or an attorney, as this process is an academic meeting, not a legal hearing. Other persons may be invited by the CAPP chair to provide information that may augment or clarify information presented. Individuals found to have a conflict of interest must be recused from the meeting and/or the vote. No faculty alternate or substitutes may attend for a voting member who is unable to attend, with the exception of those designated as delegate members.

The Committee will consider each case on an individual basis, within the context of the existing rules, policies and legal authority of the University. The Committee will decide by majority vote whether to grant or not grant the petition to appeal. If the petition to appeal is not granted, the action/decision of the original CAPP Committee stands and is final. There is no further recourse or alternative appeal process following a CAPP Executive Review decision. If the petition to appeal is granted, the CAPP Executive Review Committee will vote on the final action/sanction. Students will receive an electronic written statement of the CAPP Executive Review decision within seven (7) working days.

All information presented is confidential. The information presented at the meeting is for the sole purpose of aiding the committee in its deliberations and must not be discussed outside the meeting except as necessary to meet an educational or professional development purpose.

Students are prohibited from using an electronic or other device to make or disseminate an audio or video recording of any CAPP meeting.

Enrollment - Academic Intervention

Academic Intervention

To support students with proactive and efficient academic intervention to improve student performance and retention, NEOMED utilizes an Academic Intervention Policy. This policy encompasses both required and recommended outreach initiatives for all students at the University.

For students who fail an exam or course, a meeting will be required with a Learning Center advisor to establish an individualized approach for learning and skill improvement. A referral to available peer tutoring and/or faculty for course content deficits may also occur.

Students who marginally perform on any exam or course, as defined by their respective college, are encouraged to meet with a Learning Center learning specialist at their earliest convenience. While students are not required to meet with a learning specialist in these instances, they should anticipate receiving an email invitation that encourages scheduling an advising appointment shortly after the grade is posted.

Depending upon a student's academic performance, an "Academic Success Plan (ASP)," may be implemented. An ASP is an individualized academic improvement plan, created by the Learning Center, in collaboration with the respective college and student, to improve their learning and academic outcomes. It may include the use of prescribed learning and support resources that have been identified by the Learning Center staff.

Details related to what is required of students and the timeframes for compliance can be located within the Academic Intervention Policy. In addition to general intervention policies, each college develops its own academic advising and interventions based upon accreditation standards and proven practices for student success. Students will be oriented to these policies and practices upon matriculation.

Enrollment - Academic Load for Student Enrollment

Academic Load for Student Enrollment

All professional degree programs require students to follow an established curriculum for each year of the program. Reduced enrollment is not permitted unless the student has received special approval to enroll in a modified curriculum (see Committee on Academic Program and Professionalism or "CAPP"). CAPP and/or a College Dean may permit or require students to follow a modified curriculum.

These standards are measured by semester credits for professional student enrollment as follows:

ENROLLMENT LEVEL	SEMESTER CREDITS
Full-Time	9+
Three-Quarter Time	6.5 - 8.5
Half-Time	4.5 - 6
Less than Half-Time	.5 - 4

Enrollment in graduate degree programs requires students to be registered in at least one academic term every calendar year to be considered a degree-seeking student. The Office of the Registrar determines student enrollment based on the number of credit hours attempted. Graduate students may not enroll for more than eighteen (18) credits per semester or twelve (12) credits in Summer, including audited courses, without program advisor and the college approval.

These standards are measured by semester credits for Graduate students as follows:

ENROLLMENT LEVEL	SEMESTER CREDITS
Full-Time	8+
Three-Quarter Time	6 - 7.5
Half-Time	4 - 5.5
Less than Half-Time	.5 - 3.5

The number of credit hours attempted each semester, or each summer term, is mutually determined by the student and the advisor and reflects faculty and student effort and the extent to which university resources are utilized. Course loads for full-time students can vary.

While graduate programs will monitor the enrollment of all students, it is the responsibility of each student to ensure that the enrollment provisions of the Student Enrollment Policy, as well as any requirements of individual graduate programs, are met.

Enrollment - Academic Minimums for Continued Enrollment, Promotion & Graduation

Academic Minimums for Continued Enrollment, Promotion and Graduation

Professional Programs

For new students, successful completion of all pre-matriculation and matriculation requirements for the professional degree programs are mandatory. All continuing students are required to achieve a passing grade in all required courses.

College of Medicine students should begin M3 clerkships after taking and passing Step 1. M4 courses may begin after they have successfully completed all course requirements of the M3 year. Students must pass the USMLE Step 2 CK examination prior to graduation as specified in the COM Academic Progression, Promotion and Graduation Requirements Policy.

Graduate Programs

Each semester the Dean of the College of Graduate Studies (COGS) will review the academic standing of all students in the college in consultation with the program directors, and the assistant director of assessment.

The minimum academic standards for students enrolled in the COGS graduate programs are as follows:

1. Grading - Grades used by the COGS include A, B, C, F, Pass, and Fail

a. A graduate student who receives two course grades of a C or lower is subject to referral to the COGS Committee on Academic and Professional Progress (COGS-CAPP).

2. Good Standing

a. To be considered in good standing within the COGS, a student must maintain a graduate grade point average (GPA) of 3.00 or better in all graduate credit courses and must maintain reasonable progress (defined below) toward meeting graduate program progression requirements.

3. Reasonable Progress

Students are required to make reasonable progress toward their degree or certificate as set by the parameters for graduation by each program. It is the student's responsibility to ensure reasonable progress is made toward the completion of individual programs of study. Examples of reasonable progress include:

a. Maintaining status as a degree-seeking student by enrolling in coursework required by the program.

b. Maintaining enrollment standards as outlined in the Student Enrollment policy

c. Taking an approved leave of absence.

d. Maintaining a GPA at or above 3.00.

A student who does not maintain reasonable progress toward a degree or who does not fulfill other graduate program requirements, including those regarding professional standards and misconduct, may be denied further registration in that program by the COGS. The Dean of the COGS will make recommendations to the COGS-CAPP if necessary and will direct the Office of the Registrar to place a hold on registration.

4. Academic Probation

a. Review of a student's performance and progress may result in a recommendation for academic probation. Academic Probation is a predetermined period in which students must correct their academic performance. If academic performance is not corrected, dismissal from the COGS may follow. Academic Probation may be recommended for a student who has failed to meet program expectations. Recommendations for academic probation must be transmitted to the COGS-CAPP from the Dean of the COGS, along with a written explanation of the recommendation. Recommendations must include expectations for future performance and a timetable for the correction of deficiencies (not to exceed 3 semesters, inclusive of summer). The final decision to place a student on academic probation rests with the COGS-CAPP. The Chair of the COGS-CAPP will provide the student with written communication regarding the decision and expectations for future performance. If the COGS-CAPP determines that academic probation is appropriate, the Office of the Registrar will be notified by the Dean of the COGS, and the student will be placed immediately on academic probation.

5. Removal from Academic Probation

Students on academic probation will be reviewed by the program director and Dean of the COGS at least once each semester. That review will be transmitted to COGS-CAPP and may result in a recommendation of:

a. return the student to good academic standing,

b. continued academic probation, or

c. dismissal from the program.

To return to good academic standing, the student must have corrected the deficiency that caused the academic probation decision, as well as continued to meet other program and university requirements. Coursework used in raising the student's GPA must be a part of normal degree requirements.

6. Dismissal from COGS

A student who is on academic probation and does not raise the graduate GPA to 3.00 or better by the end of their probationary period may be dismissed from the COGS. At the end of two consecutive semesters or terms on academic probation, the student is automatically dismissed from the University unless good standing is achieved. If there are extenuating circumstances, the COGS-CAPP will recommend a course of action.

7. Dismissal Appeal

A student who is dismissed has the right to appeal the decision. Appeals must follow the process outlined in the University's administrative policies and procedures for COGS-CAPP appeals.

Enrollment - Commencement Ceremony and Graduation

Commencement Ceremony and Graduation (Degree Conferral)

Degrees are awarded by the Board of Trustees of the Northeast Ohio Medical University upon approval by the Deans of the respective colleges, with completion of all academic and non-academic requirements and responsibilities confirmed by the Office of the Registrar.

Applying to Graduate

Students planning to graduate in the upcoming spring or summer term must submit a graduation application by December 1. Students planning to graduate in the fall term must submit a graduation application by August 1 of the same year.

Students who apply for graduation but do not complete all degree requirements by their intended graduation date must submit a new graduation application for the next eligible graduation term.

Under special circumstances, students completing degree requirements early may petition to graduate (e.g., have their degree awarded) earlier if an early award of the degree is needed. The petition, in the form of an email request to the Office of the Registrar at registrar@neomed.edu, would indicate the reason(s) for the early award. This email request would be reviewed in consultation with the student's College Dean, and a graduation application would be made available. A diploma will be issued to the student only after official confirmation that all degree and institutional requirements have been successfully completed and that the degree has been conferred. The degree completion date will be listed on the diploma and all licensure and verification applications as the actual date of completion, rather than the date of the commencement ceremony.

"Graduation" is synonymous with degree conferral and involves a multi-step process that consists of students applying for graduation, University personnel reviewing and confirming that all degree requirements have been satisfied, securing graduation approval through internal governance structures (e.g., endorsement of faculty, college dean, and Board of Trustees), and the graduation clearance process, where Financial Aid exit counseling, all outstanding library materials/fines and student account balances are verified as completed. Once verified, the degree conferral date is posted to the student's official record. In most instances, the date of the commencement ceremony will be the same as the students' graduation/degree conferral date.

Commencement Participation Requirement & Eligibility

"Commencement" refers to the annual celebratory event, officiated by the President of the University, where students who have completed their degree requirements share in the excitement and importance of their academic accomplishments with peers, family, friends, and members of the campus community. Participation in the commencement ceremony is mandatory for all students who have successfully completed their degree requirements. The annual Commencement Ceremony is held on the first Saturday of May. Students should petition their College Dean for an exception to this practice. Students who have not satisfactorily completed all degree requirements by the annual commencement date may participate in the ceremony only if they are expected to complete their requirements in the immediate subsequent summer semester (e.g., before August 31) and their participation is approved by the respective College Dean. Students who complete their degree requirements after August 31 will participate in the next available commencement ceremony.

Enrollment - Course Registration, Drop and Withdrawals

Course Registration

Students are administratively registered for courses. It is the student's responsibility to verify that their registration is accurate in Banner Self-Service prior to the first day of classes. For financial aid purposes, course registration will occur no later than 15 days before the start of the term.

Professional Programs

Professional degree students do not engage in traditional course registration during the didactic portion of their curriculum (M1, M2, P1, P2, P3, D1, D2) but are instead administratively block-registered in their required courses by the Office of the Registrar. Students entering curriculum years with electives (P1, P2, P3) or that are primarily clinical in content (M3, M4, P4) engage in scheduling processes that permit them to submit preferences, rather than a simple first-come/first-served assignment process.

Graduate Programs

Upon admission to the College of Graduate Studies, each student works with their Program Director to develop a program plan. The Office of the Registrar administratively registers students for coursework prior to the start of the term; however, students are responsible for verifying their registration in Banner Self-Service before the first day of class.

Students in the College of Graduate Studies may request schedule changes during the designated add/drop period. Specific dates and deadlines for each semester are published in the University's Academic Calendar. Additional information regarding registration and enrollment procedures is available on the Office of the Registrar website.

Course Drop and Withdrawals

Students who wish to drop or withdraw from one or more courses, but who do not intend to withdraw completely from the University or their College, must follow the procedures outlined below.

Course Drop (During Add/Drop Period) - College of Graduate Studies

Students may add or drop NEOMED courses during the term's designated add/drop period, as published in the Academic Calendar. Courses dropped during this period will not appear on the student's academic transcript. Tuition refunds, when applicable, will be issued in accordance with the University Tuition, Fees and Insurance Refund Policy section of this publication. Students enrolled in cross-registered courses must adhere to the add/drop procedures of both their home and host institutions.

Due to the lock-step structure of professional programs, students are generally not permitted to add or drop courses, and these programs do not observe a traditional add/drop period. In limited circumstances, a professional college may permit the addition or removal of an elective or clinical course prior to its start date. In most cases, however, course drops require approval from the Committee on Academic and Professional Progress (CAPP).

Course Withdrawal (*After Add/Drop Period*)

Students who withdraw from a course after the add/drop period may do so prior to the last day of instruction or the final assessment, whichever comes first. To officially withdraw from a course, students must complete a course withdrawal form and submit it to the Office of the Registrar for processing. Students who officially withdraw from a course will receive a "W" grade notation on their academic transcript. Non-attendance does not constitute an official withdrawal from a course. Students who fail to complete a course or formally withdraw will receive a grade of "F." Tuition refunds, when applicable, will be issued in accordance with the University Tuition, Fees and Insurance Refund Policy.

Dropping or withdrawing from courses may affect student financial aid. Students are strongly encouraged to consult the Office of Financial Aid and their program director before withdrawing from any course.

Enrollment - Good Standing

Good Standing

A student is in Good Standing with the University when enrolled in a program and progressing appropriately toward completion of their curriculum. All program curriculum and academic degree and certificate requirements are established by each College for which completion progress is monitored by the Office of the Registrar. The University's Good Standing Policy should be referenced for further details regarding when a student is not in good standing at the university and for clarifications with what it means to be in good academic standing and good financial standing, which overall does not affect a student's good standing at the university, unless loss of one of these standings leads to a student dismissal or administrative withdrawal by CAPP.

Enrollment - Guest/Non-Degree Students

Guest/Non-Degree Students

Professional Programs

The College of Pharmacy will consider guest/non-degree student participation in courses on a case-by-case basis; inquiries should be directed to the College Dean. Currently, the College of Medicine and the Bitonte College of Dentistry do not allow guest/non-degree students to participate in their courses due to the nature of their curriculum and course content.

Graduate Programs

The College of Graduate Studies permits Guest/non-NEOMED degree seeking individuals to take graduate-level coursework on a limited basis. This allows the opportunity for those who already hold a baccalaureate (or higher) degree to enroll in coursework for professional or personal development without completing the full admission process required for degree-seeking students.

Guest/Non-NEOMED degree seeking students who are not active graduate students from one of our consortium partners for cross-registration purposes (Cleveland State University, Kent State University, Ohio University, University of Akron or Youngstown State University) must complete a Non-Degree/Guest Student application and be approved for participation in courses. These individuals will be issued accounts and access to support their course enrollments but are not otherwise eligible for NEOMED student benefits. Applications may be secured on the Office of the Registrar's Course Registration webpage under College of Graduate Studies.

Guest/Non-NEOMED degree seeking students (excluding those eligible for cross-registration) will be charged the current College of Graduate Studies per-credit-hour rate. A maximum of 12 credit hours may be taken in a non-degree seeking status; note that further limitations may be placed on coursework typically associated with certificate programs. Applicability of coursework taken in a non-degree status toward a later degree or certificate will vary by program, should a student choose to apply for degree or certificate-seeking status.

Enrollment - Interruptions of Education

Interruptions of Education

All interruptions of education (leave of absence and suspension) are handled on a case-by-case basis, and each student is reviewed individually based on the student's circumstances. The University retains the authority to make decisions regarding enrollment/withdrawal on this basis. A curriculum interruption is a temporary absence from school for personal, medical, academic or externally mandated reasons. All curricular interruptions must be reviewed and approved by the Dean of the respective college, the Dean of Students, and/or the Committee on Academic and Professional Progress (CAPP).

Academic Suspension

Academic Suspension is a temporary removal from the academic program by CAPP or appropriate dean. All rights of due process in accordance with NEOMED academic and university policy will be afforded to the student. An academic suspension is permanently recorded as part of the student's record and transcript. Refer to the CAPP Standards for information regarding academic suspension.

Conduct Suspension

Conduct Suspension is a temporary removal from the academic program by the Student Conduct Officer or Conduct Hearing Board for conduct-related occurrences. All rights of due process in accordance with NEOMED academic and University policy will be afforded to the student. Refer to the Administration of Student Conduct policy for information regarding Conduct Suspensions.

Refer to the Administration of Student Conduct | Policy Portal | NEOMED and the Employees and Students Arrested for Offenses of Violence Policy for information regarding conduct-related dismissals.

Leave of Absence

A student may request a leave of absence (LOA) for enrichment, medical, or personal reasons. In certain circumstances, CAPP may also mandate a student leave the curriculum for a specified period of time because of academic or professionalism issues. A leave of absence for enrichment, medical or personal hardship is granted at the discretion of the University and is decided by the Chair of the CAPP committee of the college in which the student is enrolled, in consultation with the Dean of Students. Any student considering a leave of absence is encouraged to meet with the Dean of Students (or designee), along with the respective college advocate, to discuss reasons, objectives, activities, timing, conditions of the leave, and the estimated return to the curriculum. In addition, students should consider the financial impact of a leave of absence and discuss these implications with a member of the Financial Aid Staff. Once a leave request is reviewed, the student will receive a written notification of the decision via electronic mail within five (5) working days of the request, and when applicable, the Office of the Registrar will prepare a "change of student status" notification.

Leave of Absence Categories

- **Enrichment – Enrichment Leaves of Absence (ELOA)** for Professional Program students only, are requested by the student to petition for time away from the curriculum between academic years to pursue structured professional growth opportunities or another academic program at NEOMED (e.g., field outside of current program, research). NEOMED allows for ELOA between the second and third or third and fourth year but does not recommend that students take a leave between the first and second year to ensure academic success and progression. The deadline for Enrichment Leaves of Absence is February 1st of the year before the enrichment leave is to occur.

Process to Request: Students requesting an enrichment leave of absence should meet with the Dean of Students (or designee) and submit a Request for Enrichment Leave of Absence (ELOA) and supporting documentation outlining the structured activities, timeline and rationale for how the experience(s) will improve the student's professional portfolio. The petition and supporting documentation will be reviewed by Dean of Students (or designee) in consultation with the CAPP Chair of the student's college for determination. When national board exams such as Step 1 or Step 2 are involved, students taking an enrichment leave will be expected to take the exams before beginning the enrichment experience.

Documentation: Documentation should include either the completed application or the written acceptance into the requested enrichment experience, a timeline delineating the experience, scheduled dates for graduation requirements (such as Step 2), and outcomes of the enrichment (presentations, journal articles, etc.). In addition, upon petitioning to return from an ELOA, students are expected to submit a written summary of the enrichment activities, accomplishments, and deliverables.

Deadline to Request: Petitions MUST be submitted by February 1. Enrichment leaves can only start at the beginning of the academic year and are granted in increments of one year unless otherwise approved by CAPP. Leaves beyond one year require re-petitioning by February 1. Students who are conditionally approved for an ELOA will be asked to provide confirmation by May 1 of their acceptance into their enrichment program and decision to take the leave, or may withdraw their ELOA and continue in the curriculum.

- **Medical – Medical Leaves of Absence (MLOA)** are requested by a student who experiences a health condition or a condition that impacts a student's ability to participate in the curriculum. The condition may be anticipated or unanticipated but will require a leave from the curriculum.

Process to Request: Students with a medical condition or experiencing a medical emergency may request an immediate medical leave of absence by completing a Request for Medical/Personal Leave of Absence (M/PLOA), meeting with the Dean of Students (or designee), and providing supporting documentation a treating health care provider. Typically, these requests are for students requesting a leave of more than two (2) weeks or one (1) week for College of Medicine clinical years. The petition and any supporting documentation along with the student's entire academic file, will be reviewed by the Dean of Students (or designee) in consultation with the CAPP Chair of that student's college for determination.

Documentation: Documentation must be provided by a treating health care professional delineating the nature of the medical issue, the expected duration of the leave, and the impact on the student's ability to perform within the curriculum. The student must identify the point at which he/she anticipates returning to the curriculum. Students whose approved return date is different from their requested return date may meet with the CAPP committee for consideration of a revised return date.

Deadline to Request: M/PLOA petitions are submitted as the health condition and/or other circumstance arises.

Curricular Impact: Students considered for an M/PLOA will be expected to complete all curricular requirements upon their approved return to the program. In cases where the curriculum is sequential, a decision may be made which requires the student to return to the curriculum at the beginning of the academic year or term, depending on the program. Courses may not be waived if they are considered requirements for successful progression and degree completion.

- **Personal Hardship – A Personal Hardship Leave of Absence** can be requested by students who experience an unexpected crisis (including a crisis of a family member) that impacts that student's ability to participate in the curriculum.

Process to Request: Students requesting an immediate personal hardship leave due to extenuating and unexpected crisis should consult with the Dean of Students and follow the same process as outlined above for medical leaves of absence including completing a Request for Medical/Personal Leave of Absence (M/PLOA) and providing documentation regarding the hardship when applicable.

Deadline to Request: Petitions are submitted as hardship arises. If a student requests an exception to the decided curricular return point, the student may present a petition for progression exception to the full CAPP Committee for consideration.

Curricular Impact: Students considered for personal hardship leave will be expected to complete all curricular requirements upon their approved return to the program. In cases where the curriculum is sequential, a decision may be made which requires the student to return to the curriculum at the beginning of the academic year or term, depending on the program. Courses may not be waived if they are considered requirements for successful progression and degree completion.

- **Academic/CAPP Mandated** – If a student has been invited to appear before CAPP for academic or professionalism reasons, CAPP may mandate the temporary removal of a student from the curriculum and place the student on a CAPP-mandated leave of absence. CAPP will determine the effective dates of the leave. Typically, CAPP-mandated leaves require the student to return to the curriculum at the beginning of an academic year. Students returning from a CAPP-mandated leave are asked to complete the Petition to Return from Leave of Absence (LOA) by the date stated within the CAPP decision letter, and to submit any additional documents that fulfill the CAPP decision letter requirements.

- **Other/College Mandated** – If a student poses a serious risk to self or others and the student's presence on campus disrupts the ability of the institution to implement its programs and services, the college dean or designee, in consultation with the CARE Team, may impose an interim College Mandated Leave of Absence until such time as the student's safety can be verified, usually via a treating health care provider. Upon the return of the student to the curriculum, CAPP will decide the reentry point in consultation with the college.

Outcomes of a Leave of Absence Request decision include:

- **Granting of a Leave**: The granting of a leave of absence will be subject to conditions, including, but not limited to, timing and duration (leaves are granted for a specific period). Granting a leave of absence will result in an outline of activities that may be educational, professional, or health-related that must be completed while the student is on leave.

- **Denial of the Leave**: A leave of absence cannot exceed two consecutive academic years for a professional program; requests longer than two years will not be granted.

Requesting to Return to the Curriculum: If a leave is granted, the student must Petition to Return from Leave of Absence (LOA) to the curriculum by April 1 of the next academic year unless otherwise noted in the Leave of Absence approval letter. Students must have satisfied the terms and conditions outlined for return and must provide evidence of having met any terms and conditions for the leave of absence that were specified at the time of the LOA approval, including but not limited to, documentation from a treating health care provider attesting to the student's ability to return to the rigors of the curriculum, etc. All petitions requesting to return will be reviewed by the Dean of Students in consultation with the CAPP Chair and may require a meeting with the Dean of Students and CAPP Chair upon request.

Leave of Absence Checklist: Students who are granted a leave of absence should follow instructions of the LOA Checklist located on the Forms for Students | NEOMED Student Services page. Additionally, the student must:

- Provide an updated local and/or permanent address to the Office of the Registrar by updating Banner Self-Service
- Pay any outstanding financial obligations;
- Complete loan exit counseling when requested to do so by Financial Aid;
- Confirm that any outstanding balances on the student account have been paid in full.

Leave of Absence and Impact on Program Length Limits and Progression Requirements as stated in the Student Enrollment Policy

Should a student fail to request a return or extension by the required deadline, he or she is contacted to discuss the student's intent to return. If the failure to submit a request was an unintentional oversight, the student is given another opportunity to submit the petition to return or to extend the leave period, so long as it does not exceed two consecutive academic years. If the student does not respond to multiple efforts at contact by telephone, regular mail, or electronic mail, a final notification is sent to the last mailing address provided by the student, indicating that the CAPP committee will make a final determination of the student's academic standing (which may include dismissal) at its next meeting. A leave of absence request, where a student has attempted courses in an academic year, counts towards calculation of a student's maximum time frame to complete a degree. An academic year that does not contain any attempted courses, does not count towards a student's calculation of maximum timeframe to complete a degree.

Leave of Absence and impact on insurance coverage:

Review the terms and conditions of the student health insurance plan with a university official to determine if it applies during the period for which leave is granted.

Medical Insurance: Students on a leave of absence who have purchased medical insurance through NEOMED will remain covered under medical insurance until the end of that policy period if paid in full prior to the leave and if the leave started 31 days after the start of the term. An LOA that begins within the first 31 days will be fully refunded and no coverage allowed. Continued insurance enrollment after this paid period is not permitted for students on a leave, and students are not eligible to re-enroll in the University's medical insurance coverage until they return to the curriculum.

Ancillary insurance (Life/Disability, Dental and/or Vision): Ancillary insurance is terminated upon the first day of a leave of absence and coverage can only be purchased upon return to the curriculum.

Malpractice Insurance: NEOMED students on an active leave of absence are not eligible for malpractice insurance through NEOMED during their leave. If a student intends to participate in any clinical experiences during the leave, independent malpractice insurance should be purchased for that period of coverage.

College of Graduate Studies

In the College of Graduate Studies, leaves of absence may not be required if the student is adhering to the enrollment policy and staying within the specified program length of study requirements. Students should discuss their options with their Program Director before requesting a leave of absence. Students may request a Leave of Absence in accordance with the College's Leave of Absence policy. A Leave of Absence Request is required and is available online.

Enrollment - Malpractice Liability

Malpractice Liability

All professional program students are required to carry malpractice liability insurance coverage through the University's carrier. This coverage is provided by the University at the lowest possible cost, through a third-party insurance company. Malpractice insurance premiums are assessed and included in the University's student fees. Malpractice insurance covers only enrolled students for those activities officially sanctioned by the University as part of the curriculum in which a grade is assessed or for special, pre-approved academic activities and does not cover students on a leave of absence from the curriculum.

Students enrolled in the College of Medicine may, with prior permission of the Senior Associate Dean for Academic Affairs or designee, participate in non-graded clinical experiences that are not in conflict with required, graded courses, and are intended to enhance and/or supplement their education. These experiences require evidence of malpractice which the College of Medicine will provide. Any student wishing to participate in one of these experiences must first apply using this form: Participation Agreement for Not-for-credit Experiences. Students who engage in any extracurricular activities that are not pre-approved, will not be covered by NEOMED malpractice liability insurance.

Enrollment - Ohio Residency

Ohio Residency (Application Process)

Any student classified as a non-resident of the State of Ohio for tuition purposes may apply for resident status by submitting a Request for Resident Classification for Tuition Purposes to the Office of the Registrar. The University Registrar will determine if the student has been classified correctly. Each application will be reviewed in accordance with the Ohio Revised Code and the criteria established by the Ohio Board of Regents Guidelines for Residency for State Subsidy and Tuition Surcharge Purposes. The guidelines intend to exclude from resident classification those who are in Ohio primarily for educational purposes. In general, a student must demonstrate that he/she meets all the following criteria to establish Ohio residency for tuition purposes:

- The student lived in Ohio for a full, 12 consecutive months immediately preceding the semester for which he/she is applying for residency. The expectation is that the student was not absent from the state any longer than Winter Break, Spring Break, and three weeks during the summer.
- The student should demonstrate his/her intent to become an Ohio resident by transferring any items of registration to Ohio, such as a driver's license, automobile registration, and voter registration at the beginning of the 12-month period immediately preceding the semester for which reclassification is desired.
- The student must demonstrate that during the 12-month period while establishing residency, he/she has had enough income to meet all expenses without the need of money from outside the State of Ohio. Documentation of income sources used during the 12-month period is required.

Students are expected to make full payment (including nonresident fees) by their appropriate payment due date. Payment deadlines cannot be waived or extended while a student's residency is being reviewed. Retroactive residency determinations cannot be made for tuition surcharge purposes.

Application materials and all appropriate documentation must be submitted by the published deadlines for each semester:

Fall: Apply by August 1	Spring: Apply by December 1
No applications will be accepted after the deadlines listed above.	

Review of applications by the Office of the Registrar may take several weeks from the time of submission and is dependent on the total number of applications received, the extent of additional information requested and/or subsequent dialog with the student.

If the student disagrees with the classification assigned by the University Registrar after evaluation of the Request for Resident Classification for Tuition Purposes, he/she may appeal the decision by submitting a letter of appeal to the University Registrar. The University Registrar may transmit this letter to the Residency Appeals Panel, which will conduct a hearing on the merits of the previously submitted Request for Resident Classification for Tuition Purposes form. The Residency Appeals Panel is comprised of representatives from the Office of Admission, Office of Financial Aid, and Student Services. The student may request in this letter to appear personally before the Panel. The decision of the Panel is final.

A student has the burden of persuasion by clear and convincing proof that she/he qualifies as a bona fide resident. The Residency Appeals Panel may require the student to submit evidence in support of the statements made on his/her Request for Resident Classification for Tuition Purposes. The panel will not be bound by the usual common law or statutory rules of evidence or by any technical or formal rules of procedure. The panel may admit any relevant evidence in support of the student's claim or in opposition to it, and may exclude evidence that is irrelevant, cumulative, or is lacking in substantial probative effect. The Residency Appeals Panel may make rules of procedure consistent with this regulation.

A student who knowingly submits a false claim or knowingly gives false evidence in support of a claim commits an offense against the Colleges and may be subject to disciplinary procedures.

Enrollment - Program Length Requirements and Limits

Program Length Requirements and Limits

Professional Programs

Students are expected to complete their professional school education in four years from the time of initial matriculation. Enrollment in a single professional school, including interruptions of education, may not exceed six (6) academic years from initial matriculation to remain in good standing (See Good Standing Policy). Students who exceed the allowable length of study limits are referred to the CAPP. Professional degree students who also enroll in a Ph.D. program may not exceed eight (8) years from the initial date of enrollment to complete all program requirements unless receiving prior approval from both the dean of their graduate college and the dean of their professional college.

Graduate Programs

Program lengths vary and are defined by the leadership of each graduate program. Students enrolled in a master's program should complete the program within six (6) years. Students enrolled in a Ph.D. program should complete the program in ten (10) years, and professional degree students who enroll in a NEOMED Ph.D. program must complete both programs within eight (8) years from their initial date of enrollment, unless receiving prior approval from both the dean of their graduate college and the dean of their professional college.

Refer to the Student Enrollment Policy for additional information on program length requirements.

Enrollment - Remediation and Repeating Coursework

Remediation and Repeating Coursework

Course Remediation (Professional Programs only)

To successfully progress in a Professional Degree Program, students who achieve less-than-passing grades are required to perform remediation (or repeat a course) to assure their level of knowledge, skills, and/or competency required in each course meets a standard set by the Course Director in accordance with the University's Remediation Policy.

Repeat Year, Semester, Course, Clerkship or Elective (Professional Programs)

All professional degree students who are repeating any curricular year or semester must repeat the semester or year in full. They are required to be enrolled in and participate in all courses for that curricular year or semester and adhere to all the requirements of the course(s) unless granted an official, documented exception through the Committee on Academic and Professional Progress. In instances where an exception is granted, the percentage of contact/credit hours enrolled in comparison to their peer group for that same year/semester will determine their enrollment status for financial aid eligibility.

The enrollment status for all other students engaged in repeating coursework is dependent on the number of credit hours enrolled by semester. Any student who repeats a course or courses will have grades for both the original and repeated courses appear on their academic transcript with repeat courses being noted as such. For repeat courses in BCOD, both the original and repeated grades are used in the GPA calculation.

Repeat Course (Graduate Programs only)

Students who receive a "C" or lower in a course may be required to repeat the course. Core courses may only be repeated once. Grades for both the original and repeated courses will appear on the transcript with repeat courses being noted as such. Historically, both the original and repeated grades are utilized in the calculation of the GPA. Beginning academic year 2023-2024, repeated courses in COGS will use the highest attempt of the course to count in the overall GPA, excluding the lowest attempt from the overall GPA.

Enrollment - Travel for Educational Purposes

Travel for Educational Purposes

Students in the Colleges of Medicine, Pharmacy, Graduate Studies, and Dentistry may be required to participate in educational and community service events that require travel to various locations and venues as part of the curriculum. While the University may provide transportation to some of these events, the ability to and cost of most travel will be the sole responsibility of the student.

Students are not considered agents or employees of the University and are not insured for any accidents or mishaps that may occur during any travel to and/or from educational activities unless the travel is completed as a group in direct supervision of a University Official and in direct connection to the educational and/or University sponsored event. Students are responsible for all out-of-pocket expenses associated with clinical education, such as transportation, housing, meals, professional attire, laboratory fees, etc.

International Travel Policy

Students participating in international activities/educational experiences sponsored/approved and/or funded by NEOMED must comply with all procedures described in the online policy document found on https://www.neomed.edu/sa/forms/.

This policy is implemented to uphold the values of safety and education at NEOMED and to minimize the liability of the University regarding student international experiences. A student's eligibility to participate in an international experience is conditional upon written approval of the individual international experience by the course director, in collaboration with the Office of Global Engagement. The Director of the Office of Global Engagement must be in receipt of all documentation as required by the procedures outlined below, and the Office of the Registrar must verify that the student is in good academic standing as determined by their individual degree program.

Procedures

International Experience Approval by the University

The International Experience Committee will include the following members:

- one faculty member with experience in international travel
- one representative from General Counsel
- one faculty representative from each College (Medicine, Pharmacy, Graduate Studies, and Dentistry)
- one representative from Student Services
- one representative from Academic Services
- one representative from the Office of the Registrar

International travel for academic credit and/or funded by NEOMED to a country with a U.S. Department of State issued travel warning requires approval from the International Experience Committee.
International travel for academic credit and/or funded by NEOMED to countries not under a travel warning requires approval from the Office of Global Engagement.

Approval of an international experience for academic credit is the responsibility of the course director.

Funding approval for extra-curricular international experiences is the responsibility of the NEOMED Student Council (NSC).

The purpose of the International Experience Committee will be to judge the safety of an international experience and approve the experience for University student participation in a country with a U.S. Department of State issued travel warning.

The International Experience Committee will meet a minimum of three times per academic year, in August, December and April/May.

Procedures for Student International Experience Approval

- All submissions to the Committee must be turned in to the Office of Global Engagement for distribution to the Committee a minimum of two weeks prior to the next Committee meeting.
- Committee meeting dates are posted on the Student Activities Calendar.

Faculty Responsibility

Any University faculty who wishes to organize an international experience that will include University students (for academic credit or extra-curricular activity funded by the University) must submit a written application for review by the Office of Global Engagement, fulfilling the requirements as outlined in the application available in the Office of Global Engagement. Once a faculty member has received approval for his/her international experience, students who wish to participate in the international experience need not submit individual applications to the Committee for approval (students must still submit all required documents to the Office of Global Engagement as required by these policy procedures).

Student Responsibility

Any student wishing to receive funding for an extra-curricular international experience (research, mission, conference) must adhere to the Procedures for Requesting Student Funding outlined by the NEOMED Student Council. If an international experience is currently approved by the Committee through Petition, then the student need not submit individual applications to the Committee for approval (students must still submit all required documents as required by these policy procedures).

If an international experience is not currently approved, it is the responsibility of the student wishing to participate to submit an application fulfilling the requirements available in the Office of Global Engagement.

Committee Decision

If the international experience is approved by the Office of Global Engagement or the Committee, the submitting student or faculty will be notified of approval status by an official letter from the Office of Global Engagement within five business days after the Committee meeting. Students should not make any travel arrangements prior to receiving written approval from the Office of Global Engagement of the Committee. Please note that although the student may receive informal communication regarding the status of the international experience acceptance, it is not official until the formal approval letter is received. Letters are sent to the student's NEOMED email address. It is important to remember that a student's eligibility to participate in an international experience is conditional upon both written approval by the Committee of the international experience and receipt by the Office of Global Engagement of all documentation as required by these policy procedures. Furthermore, a student must be in good academic standing as determined by his/her individual degree program.

If an international experience is denied approval by the Office of Global Engagement or the Committee, the submitting student or faculty will be notified of international experience denial status by an official letter from the Office of Global Engagement within five business days after the Committee meeting. The denial letter will include a detailed explanation listing the reasons why the Committee rejected approval of the international experience.

Application for Academic Credit

In addition to Committee approval, if a student intends to pursue academic credit for his/her international experience, the student must submit written approval from the course director to the Office of Global Engagement or the International Experience Committee. Refer to the complete International Experience Application Form for additional requirements.

Tracking Students on International Experiences

Responsibility for tracking students who are on International Experiences is as follows:

1. M4 Electives – Coordinator, Registration and Enrollment
2. P4 APPEs – Director, Experiential Education
3. NSC Funded Experiences – NSC Advisor
4. Graduate Studies Experiences – College of Graduate Studies
5. All student tracking will reside under the Office of Global Engagement.

Student Requirements Needed to Receive Committee Review

The following documents must be submitted to the Office of Global Engagement at least two weeks prior to the scheduled Committee meeting:

Petition for Implementation of Student International Experience with the following attachments:

a. Documentation of approval for academic credit by course director (if applicable)
b. Methods of pre-departure and/or on-site orientation for students
c. Copy of all information provided to the students/participants, including all orientation materials
d. Description of procedures for an emergency evacuation plan
e. Documentation of all relevant U.S. State Department information and advisories
f. Documentation of participant requirements and responsibilities
g. Copy of letter accepting student into the international experience (from appropriate official).
h. A completed Risk Assessment Form (See Application)

Student Requirements after Committee Approval

The following documents must be submitted to the Office of Student Services at least four weeks prior to their scheduled departure date:

- Proof of insurance with a minimum required coverage as follows:
  Medical Expense (accident/sickness)—$100,000 per incident
  Accidental Death/Dismemberment—$10,000
  Emergency Medical Evacuation—$50,000
  Repatriation of Remains—$25,000
- The student must purchase coverage from one of the following providers:
  CISI (www.culturalinsurance.com)
  CMI (www.studyabroadinsurance.com)
  IMG (www.internationalstudentinsurance.com)
- Proof of travel health consult, vaccination, and prophylaxis (each as recommended by the Center for Disease Control)
- Photocopy of current passport (and proof of visa if applicable)
- Photocopy of current U.S. State Department travel advisories (updated from original pre-meeting submission)
- Complete travel itinerary (including all transportation details to, from, and during the international experience).
- Emergency contact information (for both the international experience site and within the United States)
- Proof of registration with the U.S. Department of State (can be done at https://mytravel.state.gov/s/step — print confirmation page)
- A signed Waiver and Release Agreement

Required Actions for Student International Experience Preparation

Gather information concerning any in-country political problems, safety concerns or health hazards by consulting current U.S. State Department announcements and publications, Centers for Disease Control (CDC) information, and the international experience site.

Investigate visa and other entrance requirements that may be enforced in the host country. Adhere to laws of the host country, standards of professional behavior, and standards of conduct determined by the international experience site. Stay current on U.S. Department of State country information and communicate with local site regarding known risks.

Complete orientation for study abroad through self-study or formal preparatory sessions. Such orientation will emphasize knowledge of personal health and safety precautions, universal precautions, infectious disease risks, cultural conditions, personal and professional behavior standards, emergency contact procedures and preparation for medical work (if applicable).

If you require access to your NEOMED account while abroad, please complete the Travel Abroad Access form **prior** to your travels. This form can be found at https://www.neomed.edu/it.

Office of Global Engagement Responsibility

Travel Warnings and Revocation

In the event of a U.S. State Department issued Travel Warning for the location of a student's international experience prior to a student's departure, a student's eligibility to travel to the location of the international experience may be revoked at the consideration of the University. In the event a U.S. State Department warning is issued while a student is abroad, determination of the appropriate action will be made on a case-by-case basis, with the University having the authority to require the student return to the United States.

Monetary/Property Loss

The University is not responsible for any monetary or property loss incurred by a student at any time during the planning, preparation or participation in an international experience.

Student Responsibility After Return to the University

After completion of the international experience, the student must turn in a completed International Experience Evaluation Form to the Office of Global Engagement. This form does not replace the curricular feedback/evaluation form for curricular activities.

Enrollment - Withdrawals and Dismissals

University and/or College Withdrawal

When voluntarily withdrawing from the University and/or a college, the student must submit a Withdrawal Request Form available on the Student Services Forms website. A student is considered withdrawn as of the date the request is received. Students withdrawing from NEOMED are required to follow the steps/checklist as outlined on the Withdrawal Acknowledgement letter received from the Office of the Registrar.

A withdrawal is distinctly different from a Leave of Absence as it suggests the student has no intention of returning to the University. Tuition refunds are made to any student officially withdrawing from all classes, in conformity with the University Tuition, Fees and Insurance Refund Policy.

A student who withdraws and who later seeks re-entry must reapply via standard admission procedures. Re-admission is not guaranteed, and information from the student file in the Office of the Registrar may be considered in the admissions process; individual colleges or programs may prohibit re-admission.

Students may not withdraw from the University to avoid dismissal or suspension once their academic performance and/or behaviors warrant such action by the Committee on Academic and Professional Progress (CAPP) or similar body, unless explicitly allowed by their respective college.

Dismissal

The University reserves the right, at its sole discretion, to dismiss any student at any time prior to graduation, in the event of a breach of professional behavior or misconduct, a breach of any policy or directive set forth in this publication, or failure to satisfy any requirement for graduation or achieve academic minimums for continued enrollment, provided adherence to all procedures for review or action.

All students who have been dismissed by CAPP are considered enrolled up to the date of the dismissal decision. If the student appeals this decision, they can continue in the curriculum until the appeal has been decided by the CAPP Executive Review Committee. If a dismissal decision is upheld, the student is responsible for all tuition and fees subject to NEOMED's refund policies. If the dismissal decision is overturned in the final CAPP meeting, the student will be permitted to continue in the curriculum, is enrolled full-time and must pay all tuition and fees incurred.

A dismissed College of Medicine student will have the opportunity to withdraw from the University, (unless the CAPP decision does not allow the option to withdraw) and must submit a letter of withdrawal within four working days of the date of the dismissal letter (this includes the date on the letter) to the Office of the Registrar. Accordingly, the student's official status indicated on the academic transcript would be denoted as a withdrawal.

A dismissed College of Pharmacy or College of Dentistry student will not have the opportunity to withdraw from the University. The dismissal will be noted on the student transcript as such.

Records - Academic Records and Requests

Academic Records & Requests

Students and former students can find instructions for requesting academic records on our website. The Office of the Registrar will process requests for academic records in the order they are received. Federal regulations mandate a signed request to authorize the release of student academic records in most instances. Consequently, phone requests for transcripts or other materials are not acceptable. Additional information regarding student record confidentiality and access rights is outlined in greater detail on the FERPA webpage.

Student Record Confidentiality, Access, and Disclosure

NEOMED takes student record confidentiality very seriously and fully complies with the Family Educational Rights and Privacy Act (FERPA), as amended. FERPA is the federal law that governs the release of, and access to, student education records. Students' education records are kept by the Office of the Registrar in the Office of Academic Affairs, except for health records (e.g., immunizations, student insurance, etc.), which are kept separate and are overseen by the Office of Student Services. Access to student education records, both by the student and others, is governed by guidelines developed to be consistent with FERPA, as amended.

Medical Student Performance Evaluation

The Medical Student Performance Evaluation (MSPE), often referred to as the "Dean's Letter," is a college-initiated document designed to assist medical students in obtaining admission to postgraduate training programs, specifically internships and residencies. Specific to the College of Medicine, the MSPE is an institutional assessment composed on behalf of the medical school faculty and is a key part of a student's residency application. The MSPE describes, in a sequential manner, a student's performance through the first three years of medical school. The MSPE includes an assessment of both the student's academic performance and professional attributes. The MSPE is compiled upon successful completion of all clinical clerkships in the M3 year. Data utilized in the creation of the MSPE include academic progress, notable accomplishments, assessment of professionalism, and clerkship/rotation assessments. College of Medicine Student Affairs staff assist in the creation, distribution, and maintenance of this document according to guidelines set forth by the Association of American Medical Colleges (AAMC) and the College of Medicine's MSPE Policy. The release date for the MSPE is October 1 of the M4 year. It is important to note that the transmission of the MSPE to residency programs (even after graduation) must be directly from the institution to the residency program through ERAS. If a student is applying to residency positions outside of ERAS, the MSPE must still be transmitted directly from the institution to the program. Fellowship applications submitted via MIDUS utilize a secure link that allows the school to upload the MSPE directly.

Transcripts

An academic transcript is an official and complete summary of a student's academic work in chronological order by level and enrollment date. In addition to course enrollment, academic unit and earned final grade data, transcripts typically include official academic actions or changes, such as academic program, transfer and/or proficiency credit, special academic status, withdrawals, dismissal, and degrees earned.

A transcript is deemed official when it bears the facsimile or original signature of the University Registrar and the seal of the Institution. Instructions for requesting a transcript can be found on the Office of the Registrar website. The Office of the Registrar maintains all permanent academic records, including transcripts.

Verification of Student Enrollment and Graduation

The Office of the Registrar has authorized the National Student Clearinghouse to provide enrollment and degree verifications regarding enrollment dates and date of graduation. There is no cost to the student for this service. Requests for enrollment verification are usually for one of the following reasons:

- Deferment from undergraduate school loans
- Scholarship application
- Health insurance
- Auto insurance "Good Student" discounts
- Military or veteran requirements
- Purchasing property or automobiles
- Elective applications
- Jury Duty
- Research Opportunities

NEOMED has engaged **Myhub**, a free, secure, and portable online application provided by the National Student Clearinghouse. Myhub provides students and alumni with access to their verified education record from NEOMED and all other colleges and universities a student might have attended that participate in Myhub.

Diplomas

Digital and Printed Diplomas

A digital diploma is a true and official diploma issued by the Registrar's Office through Parchment, NEOMED's third party diploma provider. Students graduating will receive a digital and a printed diploma. The digital diplomas come with Parchment's Blue-Ribbon seal and are secure. A digital diploma will be delivered to the graduate's NEOMED email address once the degree has been conferred. * A digital diploma will always be accessible through the alum's Parchment Credential Profile. It can be downloaded and shared again and again — at no cost. More information can be found on the Parchment site. Official hard-copy printed diplomas will be mailed to all graduates once degrees are conferred. *

**Please note, degree conferral requires the following: full graduation clearance from all university offices, all final grades to be posted, no holds on the student's account, and a completed degree audit. This process can take up to thirty (-30) days from the end of the semester, although NEOMED works to confer degrees as quickly as possible.*

Replacement Diploma

In the event of a name change or if an original diploma has been lost or destroyed, a replacement diploma may be ordered through Parchment. There is a $50 fee for the replacement.

For graduates who seek to replace their diploma, the new diploma will bear the current name of the University and signatures of the current administration. Replacement diplomas will bear the alum's name that is on file at the time of his/her graduation, unless the request is accompanied by documentation certifying a legal name change (a marriage certificate or certified copy of a court order plus one of the following: a state ID/driver's license, original Social Security card, or U.S. Passport).

Student Change of Name, Address or Status

To ensure that the University maintains accurate student records, current students who change their personal information (name, marital status, permanent or local address, permanent or local telephone number, emergency contact, citizenship status) must notify the Office of the Registrar in writing of this change. Many of these items can also be updated in Banner Self-Service by the student.

Two forms of official documentation are needed to make an official name change to a current or former student record. Acceptable documentation includes a marriage license or court-ordered document and one of the following: state ID/driver's license, original social security card, or U.S. Passport. The official documentation can be provided to the Office of the Registrar, in person or via Secure Document Upload. In the case of a name change following graduation and a request for a new diploma is desired, a request for a replacement diploma can be made via the NEOMED Parchment Portal.

Records - Annual Enrollment Tasks

Annual Enrollment Tasks

All Programs

Professional programs and Graduate programs are predominantly cohort based and NEOMED requires students within these programs to confirm their intent to continue with their studies by engaging in a "Navigate NEOMED" course in Canvas, the Learning Management System, with required tasks to complete for new matriculating students or students continuing to progress. This confirmation process occurs annually during the Spring/Summer prior to the start of each academic year.

Records - Class Standing

Class Standing

The University does not calculate an official class standing. For the Medical Student Performance Evaluation (MSPE) and Pharmacy Student Performance Evaluation (PSPE) letters only, the top 25% of medical and pharmacy students are identified based on their academic performance through the end of the third year. Students in the top 10% of the class receive a numerical class standing, e.g., 4th out of 120. Students who are not in the top quartile will have no mention of class standing in their MSPE or PSPE letters.

For letters of recommendation for Bitonte College of Dentistry students, the top 25% and top 50% of dental students are identified based on their academic performance through the end of the third year. Dental students in the top 10% of the class receive a numerical class standing, e.g. 2nd out of 50. Students who are not in the top 50% will have no mention of class standing in their recommendation letters.

Only grades from courses taken at NEOMED, and designated for use in class standing calculations, by each curriculum committee are used in calculations for recommendation letters, MSPE or PSPE's. If a student remediates any course or clerkship/rotation, the original grade is used, not the remediated grade. If a student repeats some segment of the curriculum (year, clerkship/rotation, etc.), both the original and repeated grades are used in the calculations.

Records - Exception to Academic Policy

Exceptions to Academic Policy

The Compass publication serves as the primary authority for academic requirements and associated academic policies. All students are expected to follow the requirements outlined in this document in the pursuit of their degrees. On occasion, however, extraordinary circumstances may warrant departures from the stated requirements. Students who believe their situation warrants a deviation from academic policy may petition for an exception to policy by filing an appeal with the Dean of the College to which the requirement belongs. The form, and more information, is available through the Office of the Registrar. There are, however, several academic requirements and procedures for which exceptions are never made (e.g., successful completion of course requirements, passing USMLE Step 1 and 2, or minimum GPA to graduate, etc.).

Grades - *Symbols, Descriptors, and Policies*

Grade Assignment

The assignment of a course final grade is the responsibility of the course director, clerkship director, clinical curriculum director, experiential education director, preceptor, or instructor in accordance with the guidelines of the respective College.

A final grade is the cumulative assessment of a single course that is provided by the faculty, course director, etc. at the end of the course offering. Final grades are posted to the student record/official transcript by academic year and term.

Typically, multiple assessments are given to provide students with frequent feedback on their academic performance. The criteria for final grade assignments vary by course. Course syllabi outline the plan for student assessment and include the weights assigned to each examination or curricular assignment as a component of the final grade. Attendance may also be considered in determining the grade. (See specific Attendance Requirements in each course syllabus.)

Most M3 clerkship final grades are comprised of an NBME subject examination and a clinical performance evaluation. Specifics on clerkship grade assignment may be reviewed in the policy; Grade Categories for Clerkships.

The faculty of record reserves the right to determine if a student is eligible to remediate a failed professional level course. If a student is not eligible to remediate, a faculty of record should refer the student to the appropriate Committee on Academic and Professional Progress (CAPP).

Final grades are viewable to students in Banner Self-Service according to the Final Grades Submission Policy. Grades will not be disclosed over the telephone or via email.

Grade Symbol	Grade Name	Descriptor	Bitonte College of Dentistry	College of Medicine	College of Pharmacy	College of Graduate Studies
A	Superior	Superior competency	Yes	Not Used	Not Used	Yes
AU	Audit	Non-credit; taking course for experience only	Not Used	Not Used	Not Used	Yes
B	Satisfactory	Complete competency	Yes	Not Used	Not Used	Yes
C	Fair	Minimal competency	Yes	Not Used	Not Used	Yes
EX	Extended Time	Temporary grade assigned when a scheduled NBME subject exam retest is pending completion as approved.	Not Used	Yes M3 only	Not Used	Not Used
F	Fail	Failure	Not Used	Yes	Yes	Yes
FA	Fail	Failure *(prints as F on transcript)*	Yes	Not Used	Not Used	Not Used
H	Honors	Mastery of the course objectives of a given course; Highest standard of performance. Superior competency	Not Used	Yes	Yes	Not Used
HP	High Pass	Grade category in COM third year clerkships assigned when performance surpasses the criteria for a “Pass,” but does not meet the criteria for “Honors”	Not Used	Yes	Not Used	Not Used
I	Incomplete	Temporary grade signifying student was unable to complete the course requirements in standard timeframe for approved reasons	Yes	Yes	Yes	Yes
IP	In-Progress	Temporary grade used only in instances when students are not afforded the opportunity to complete the course in the scheduled timeframe due to institutional circumstances	Yes	Yes	Yes	Yes
P	Pass	Satisfactory achievement of course objectives; Complete competency	Yes	Yes	Yes	Yes
F/P	Successful Remediation	Satisfactory achievement of course objectives after remediation	Yes	Yes	Yes	Not Used
F|C	Successful Remediation	Satisfactory achievement of course objectives after remediation	Yes	Not Used	Not Used	Not Used
F/Z	Successful Re-remediation	Satisfactory achievement of course objectives after re-remediation	Not Used	Yes	Not Used	Not Used
F|Z	Successful Re-remediation	Satisfactory achievement of course objectives after re-remediation	Yes	Not Used	Not Used	Not Used
F/F	Unsuccessful Remediation	Unsatisfactory attempt of a remediation	Not Used	Yes	Yes	Not Used
F|F	Unsuccessful Remediation	Unsatisfactory attempt of a remediation	Yes	Not Used	Not Used	Not Used
F/X	Unsuccessful Re-remediation	Unsatisfactory re-remediation attempt (rare)	Not Used	Yes	Not Used	Not Used
F|X	Unsuccessful Re-remediation	Unsatisfactory re-remediation attempt (rare)	Yes	Not Used	Not Used	Not Used

T	Transfer Credit	Credit awarded for course work earned at another accredited institution	Not Used	Yes	Yes	Yes
W	Withdrawn	Withdrawn; student stopped attending course or program and officially notified the University or due to CAPP mandated leave	Yes	Yes	Yes	Yes
NG	No Grade Reported	Placeholder for when a final grade is not received	Yes	Yes	Yes	Yes

Audit (AU)

Students in the College of Graduate Studies may take a course in an audit capacity if granted permission by the course director and dean. Students must be officially registered for a course to participate, even in an audit capacity, and tuition is charged at the same rate as a credit bearing experience. Audit is a permanent grade type that is recorded on the student's academic transcript that earns no credit, cannot be applied toward graduation requirements, and has no bearing on the student's GPA.

Incomplete (I)

Faculty have the option of assigning an interim grade of incomplete (I) when a student is unable to complete a course or clerkship/elective in the normal time period due to extenuating circumstances beyond the student's control that were not initiated by the University. At the time an "I" is assigned, the course instructor/preceptor will inform the student in writing of the requirements and the deadline for completion. The instructor is required to document this agreement formally on a Request for Incomplete Grade Form and submit it to the Office of the Registrar for processing no later than the first business day following the last scheduled day of the course. Processing details and the maximum time allowed for the completion of a course beyond the original course completion date is outlined below. Students who fail to complete the course in the scheduled time period will receive a failing grade.

All Degree Programs

The maximum time allowed for the completion of a course is one semester beyond the original course completion date; however, faculty are encouraged to assign a shorter completion deadline.

- Summer semester Incompletes, due no later than end of Fall semester
- Fall semester Incompletes, due no later than end of Spring semester
- Spring/May Intersession semester Incompletes, due no later than end of Summer semester

After the agreed upon work is completed and graded, the instructor must complete a "Grade Change Form" and submit it to the Office of the Registrar for processing, no later than 3 days after completion.

Extenuating Circumstances may allow for an updated Incomplete form to be submitted with a modified date of completion. Modified Incomplete forms must be submitted before the original completion date on the original Incomplete form submitted. If the modified date is past the semester as outlined above, an exception to academic policy form must be submitted and signed by the Dean of the College.* ***No exceptions are permitted after Sept. 15 annually for state reporting compliance.*

If a student withdraws prior to the completion date, the student will receive a W grade. If a student attends CAPP, the CAPP committee should address the Incomplete in the decision-making process.

In-Progress (IP)

Faculty should assign an interim/temporary grade of in-progress (IP) when a student is unable to complete a course in the normal time period of a single semester due to extenuating circumstances within the scope of institutional responsibility (e.g., absence of faculty due to illness, death or discharge, class cancellations, etc.) The maximum time allowed for the completion of an in-progress course is one semester beyond the original course completion date; however, faculty are encouraged to assign a shorter completion deadline. After the agreed upon work is completed, the instructor must complete a "change of grade" form and submit it to the Office of the Registrar for processing within 3 days. If a grade change form is not received within the prescribed timeframe, the incomplete will be changed to a failing grade.

Extenuating Circumstances may allow for an updated In Progress form to be submitted with a modified date of completion. Modified In Progress forms must be submitted before the original completion date on the original In Progress form submitted. If the modified date is past the semester as outlined above, an exception to academic policy form must be submitted and signed by the Dean of the College.* ***No exceptions are permitted after Sept. 15 annually for state reporting compliance.*

If a student withdraws prior to the completion date, the student will receive a W grade. If a student attends CAPP, the CAPP committee should address the In-Progress in the decision-making process.

No Grade (NG)

The NG grade is used as a placeholder for when a final grade is not received.

Transfer Credit (T)

Credit awarded by NEOMED for course work earned at another accredited university is recorded on the transcript with a "T" grade, which has no impact on the student's grade point average. The determination of course equivalencies or summative credit, and applicability toward NEOMED degree requirements differs among programs/colleges as identified below.

Professional Programs

Students admitted to the College of Pharmacy as a transfer (advanced standing) student will have their educational records from previously attended, accredited schools of pharmacy evaluated by the college Admissions Committee for professional competencies, appropriate placement in the NEOMED curriculum and applicability toward degree requirements at NEOMED. Transfer credit may only be applied to years one through three of the pharmacy curricula. Generally, summative transfer credit amounts

and/or an advanced standing class level notation is posted to the transcript rather than individual course equivalencies. For the pharmacy degree, a minimum of one year must be completed at NEOMED and must include the P4 year of APPE's. Students interested in advanced standing/transfer admission should be especially aware of these requirements.

Graduate Programs

If graduate credit earned at another accredited institution or nationally recognized professional organization constitutes a logical part of the student's program, transfer of credit may be allowed when recommended by the student's advisor and program director, and when approved by the Dean of the College of Graduate Studies. Such transfer of credit cannot exceed six semester hours for programs requiring fewer than 40 semester credits. A maximum of 9 semester credits may be accepted in transfer for programs requiring 40 or more semester credits. No grade below B may be transferred. Credit awarded by NEOMED for course work earned at another accredited university is recorded on the transcript with a "T" grade, which has no impact on the student's grade point average. All requests for transfer credit, with accompanying official transcripts, must be submitted to the program director no later than a full semester prior to the student's expected graduation date. Additionally, transfer credit may not be utilized toward fulfillment of certificate program requirements.

Grade Dispute Policies

Bitonte College of Dentistry

The Bitonte College of Dentistry (BCOD) has established a grade dispute policy by which dental students can dispute a final grade. The BCOD Grade Dispute Policy applies to all students enrolled in the BCOD taking a course for credit and for which a final grade is assigned.

College of Graduate Studies

The College of Graduate Studies (COGS) has established a grade dispute policy by which a graduate student can dispute a Final Grade. This policy applies only to final course grades and does not apply to individual exams, which cannot be disputed once the Final Grade is posted. Students who wish to appeal a grade received in a course must follow the steps outlined in the Grade Dispute Policy.

College of Medicine

The College of Medicine has established a Grade Dispute Policy by which medical students can dispute a final grade.

College of Pharmacy

The COP Grade Dispute Policy allows for pharmacy students to dispute a final grade.

Records - Records Hold and Restricting Enrollment

Records Hold & Restricting Enrollment

The University maintains the right to withhold the release of academic and enrollment information and restricts enrollment for cause. Academic and enrollment information includes grade reports, transcripts, diplomas, certifications, or other information about a given student. Enrollment restrictions include cancelling a student's existing course registration and/or preventing future registrations. Cause includes, but is not limited to, unmet financial obligations, loan default and violations of non-academic regulations, such as neglecting to provide Admissions with final official transcripts for matriculation. Transcripts will not be withheld for any employment-related requests or in order to apply for enrollment at another institution of higher education in the event a student seeks to transfer or pursue an additional degree or take a pre-approved course for transfer credit.

Types of holds that may be on a student account include:

AR – Accounts Receivable Hold*		FA – Financial Aid Hold
CA – Conduct Appeal pending **		LC – Learning Center See Advisor
CG – Conduct General pending **		PP – Enrolled in Payment Plan
CH – Conduct Hearing pending **		RH – Registrar's Hold
CP – CAPP Attendee**		RM – Remediation Pending Hold
CR – Credentialing/Immunizations		VL – Village Hold, payment due

**Denotes withholding of a transcript, except for employment or other higher education enrollment*
***Denotes temporary withholding of enrollment and academic information until appeal timelines conclude as applicable*

1) **AR** - Accounts Receivable Hold

a. An accounts receivable hold is placed on a student's account if there is a balance due with the Accounting Office for any of the following items:

i. Tuition

ii. Fees

iii. Health, dental/vision, life or disability insurance

iv. Parking fines

v. Library fines and

vi. Other fees assessed by departments. This includes costs for items owned by a department that are loaned to a student and not returned.

b. An accounts receivable hold may be placed on a student's account if the student's College loans have gone into repayment (i.e., student went on a leave of absence and in the meantime the loan went into repayment) and the student was delinquent or defaulted on the loans.

c, The Accounting Office issues the accounts receivable hold and all questions about the hold should be referred to the Accounting Office.

d. When an accounts receivable hold is placed on a student's account, the Office of the Registrar staff will hold the following items until the hold is removed:

i. Enrollment verifications, including letters of good standing:

ii. Grades, unless the student receives a less-than-satisfactory grade, which requires CAPP interaction.

e. No student may be registered for courses in a future term or graduate from the University with an outstanding accounts-receivable hold on his/her record.

2) **CR** – Credentialing/Immunization Hold

a. This hold is placed on a student's record if any of the following are outstanding or past the required deadline;

i. Carrying personal health insurance and disability insurance coverage

ii. Compliance with the immunization due dates; or

iii. Receipt of Criminal Background Check results

iv. Completion of required CITI Training courses

3) **FA** - Financial Aid Hold

a. This hold is placed on the account of a former student, including alumni and individuals who have withdrawn or been dismissed from the Colleges, when the Office of the Registrar is notified that the individual has defaulted on a student loan borrowed for attendance at the Colleges.

b. The Office of the Registrar issues a Financial Aid hold and all questions about this hold should be referred to the Director of Financial Aid.

c. When a Financial Aid Hold is placed on an individual's account, the Office of the Registrar staff will hold the following items until the hold is removed:

i. Enrollment verification, including letters of good standing:

ii. Transcripts.

4) **RH** - Registrar's Hold

a. This hold is placed on a student's account when a student fails to comply with the following matriculation or registration requirements:

i. Completion of Canvas Orientation requirements

ii. Receipt of official transcripts from previous universities

b. The University Registrar issues a Registrar Hold and all questions about this hold should be referred to the University Registrar.

c. When a Registrar Hold is placed on a student's account the Office of the Registrar will hold the following items until the hold is removed:

i. Enrollment verifications, including letters of good standing:

ii. Transcripts; and

iii. Grades unless the student receives a less-than-satisfactory grade, which requires CAPP interaction.

iv. Registration in future or current terms may be impacted.

v. Degree Conferral

Records - Semester Credit Definition

Semester Credit Definition

NEOMED awards semester credit based on an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates to no less than 750 minutes of formalized instruction that typically requires students to work at twice the amount of preparation/independent learning time (1,500 minutes). Please see the full policy: Semester Credit Definition Policy

Shared Credit Limits (College of Graduate Studies)

"Shared Credit" refers to credit awarded toward a COGS degree or certification program for course work completed in another NEOMED academic degree program. Each COGS degree program has a minimum number of required credit hours that must be unique to the program and cannot be used for dual credit. Departments and programs may impose more stringent shared credit limits but may not exceed the University limit. Refer to the COGS – Transfer Credit and Shared Credit Policy for limits.

Dual-Degree Institutional Shared Credit

Refer to Shared Credit Limits statement here. Program specific limitations for shared institutional credit are incorporated under each degree program by college when applicable.

Transfer Credit Appeal Policy

Students who disagree with the College's decision relative to accepting and/or applying transfer credit may appeal the decision to the College's designated appeals officer. Appeals may be filed by submitting a Transfer Credit Appeal Form within ninety (90) days of receipt of the decision of transfer credit acceptance and/or applicability. Refer to the University Transfer Credit Appeal Policy for more details on this process.

Records - Student Course and Faculty Evaluation Procedure

Student Course and Faculty Evaluation Procedure

Students are given an opportunity to evaluate each course in which they are enrolled as well as its instructors. Completing these evaluations is considered a professional obligation and may be required for some students. The feedback gathered provides valuable information on what worked well during the course and where improvements can be made.

Email Invitations and Reminders

Course and instructor evaluations are distributed and administered via email by either the Office of Institutional Research (IR; surveys@neomed.edu) or a staff member belonging to an individual College's Assessment Team. An initial invitation email, containing a link to the evaluation, arrives in students' inboxes. Periodic reminder emails are sent only to students who have not yet submitted their feedback and stop when evaluations are no longer available.

Confidentiality

Confidential is not the same as anonymous. Because student responses to course and instructor evaluations are linked to their email address, feedback is not anonymous. However, the Office of IR and members of a College's Assessment Team do not share identifiable student feedback data with anyone outside of their office. Final evaluations are reported aggregately, so individual responses cannot be connected to respondents. The only reason the Office of IR or College Assessment Team would break confidentiality is if a statement of imminent threat of harm were made or if required by law.

Inappropriate Behavior, Mistreatment or Bias

NEOMED provides a variety of venues for students to report inappropriate behavior. One way is the online Learning Environment Concern form. A link to this form can be found at the end of every course evaluation. This link can also be found on the Student Services Forms webpage.

Information reported on the Learning Environment Concern form is ***entirely confidential*** *and* ***completely anonymous****. There is no way to tell who the sender is, except if the person self-identifies themself.*

Any information submitted via the Learning Environment Concern form will be sent to the appropriate dean's office and to the Dean of Students. It is the student's responsibility to follow up with the appropriate office or administrator.

Credentialing for Compliance

Student Credentialing

Student Credentialing services are provided by NEOMED Student Services and include the management of student health insurance, credentialing requirements and compliance, drug testing, criminal background checks, mandatory trainings and various immunization clinics. The staff ensures that the credentialing requirements identified by each of the colleges are communicated to and are met by NEOMED students in a timely fashion to ensure their progression and participation in all academic programs and experiential activities. Credentials may include immunizations, certifications and licensures, and training. Students should carefully review the section in the COMPASS regarding "Credentialing Requirements" and ensure that all credentialing requirements are met by the stated deadlines to remain in good standing in the program.

Immunization requirements are based on the recommendations of the Centers for Disease Control (CDC), the Association of American Medical Colleges (AAMC), and our consortium hospitals and experiential sites. *No student will be permitted to continue in the curriculum without meeting these requirements prior to matriculation.* Each student is responsible for payment for all the required immunizations or titers unless specifically identified by NEOMED as a student-fee-covered credential.

Students must successfully upload all documentation to support each credential requirement into the third-party administrative portal called **myCB (Castlebranch)** where it will be verified and confirmed as completed.

Credentialing staff also manage the mandatory medical insurance requirement and provide the annual insurance enrollment or waiver process for medical insurance coverage. Students can learn more about medical insurance on the insurance website or in the Credentialing Module in the Navigate NEOMED course in Canvas. Optional dental, vision and disability coverage are available as well. Information is available online regarding health insurance requirements.

Exposure to Blood-Borne Pathogens

Refer to the Exposure to Blood-Borne Pathogens Policy.

Exposure to Infectious Disease

Refer to the Exposure to Infectious Disease Policy.

Credentialing for Compliance

Compliance Checklists

Compliance Checklist

Each college has its own respective timeline for completing compliance requirements for vaccinations, screenings, trainings, and health insurance. Descriptions of these requirements are available in this section of the Compass under the Student Immunization Requirements.

The Bitonte College of Dentistry adheres to the following credentialing requirements:

REQUIREMENT:	D1	D2			
Criminal Background Check	X				
FBI/BCI Fingerprinting	X	X			
12 Panel Drug Test	X	X			
TB	X (IGRA)	X			
Flu Shot	X	X			
COVID vaccine (Recommended)					
MMR (Measles/Mumps/Rubella)	X				
T-dap	X				
Varicella	X				
Hep B (3 + Ab Titer)	X				
BLS Certification	X				
OSHA (CITI)	X	X			
HIPAA (CITI)	HIPAA for 1st year students	HIPAA for 2nd year students			
Social/Behavioral (CITI)	Social/Behavioral Basic 108593				
Medical Insurance (required)	X	X			
myCB Account	X				

The College of Graduate Studies adheres to the following credentialing requirements:

REQUIREMENT:	MS HSS/MHP	ANES1	ANES2	ANES3	BTB (MS & PhD)	HID	MEH/MFM	Cert/MPH/ HDSA
Criminal Background Check	X (MLHSS)	X			X	X	X (MFM)	
FBI/BCI Fingerprinting		X						
10 Panel Drug Test		CCF*						
TB	X(IGRA)	X(IGRA)	X			X		X(IGRA)
Flu Shot	X		X	X	X	X	X	X
COVID vaccine (Recommended)								
MMR (Measles/Mumps/Rubella)	X	X				X		X
T-dap	X	X				X		X
Varicella	X	X				X		X
Hep B (3 + Ab Titer)	X	X				X		X
BLS Certification		BLS	ACLS+PAL					
OSHA (CITI)		X	X			X		
Social/Beh (CITI)	Basic 108593	Basic	Refresher 108594		Basic	Basic	Basic	Basic
HIPAA	X	X	X		X	X	X	X
Medical Insurance (required)	X	X	X	X	X	X		X
myCB	X	X	X	X		X		X

*Cleveland Clinic Foundation

The College of Medicine adheres to the following credentialing requirements:

REQUIREMENT:	M1	M2	M3	M4
Criminal Background Check	X		X	
FBI/BCI Fingerprinting				
10 Panel Drug Test	X			
12 Panel Drug Test			X	
TB	X (IGRA)	X	X	X
Flu Shot	X	X	X	X
COVID vaccine (Recommended)				
MMR (Measles/Mumps/ Rubella)	X			
T-dap	X			
Varicella	X			
Hep B (3 + Ab Titer)	X			
BLS/ACLS Certification	X		X	
OSHA (CITI)	X	X	X	X
HIPAA (CITI)	HIPAA for 1st year students	HIPAA for 2nd year students	HIPAA for clinical year students	HIPAA for clinical year students
Social/Behavioral (CITI)	Social/Behavioral Basic 108593		Social/Behavioral Refresher 108594	
Medical Insurance (required)	X	X	X	X
myCB Account	X	X	X	X

The College of Pharmacy adheres to the following credentialing requirements:

REQUIREMENT:	P1	P2	P3	P4
Criminal Background Check	X		X	
FBI/BCI Fingerprinting	X	X	X	
10 Panel Drug Test		X	XX	
12 Panel Drug Test	X			
TB	X (IGRA)	X	X	X
Flu Shot	X	X	X	X
COVID vaccine (Recommended)				
MMR (Measles/Mumps/ Rubella)	X			
T-dap	X			
Varicella	X			
Hep B (3 + Ab Titer)	X			
BLS Certification	X		X	
OSHA (CITI)	X	X	X	X
HIPAA (CITI)	HIPAA for 1st year students	HIPAA for 2nd year students	HIPAA for clinical year students	HIPAA for clinical year students
Social/Behavioral (CITI)	Social/Behavioral Basic 108593		Social/Behavioral Refresher 108594	
Medical Insurance (required)	X	X	X	X
myCB Account	X	X	X	X

Credentialing for Compliance

Criminal Background Check

Criminal Background Check (CBC)

Criminal background checks are performed on students to enhance the safety and well-being of patients; bolster the public's continuing trust in the health professions; ascertain the ability of accepted applicants and enrolled students to complete specific curricular requirements that will lead to graduation and licensure; and minimize the liability of the University and its affiliated clinical facilities.

All new dental, medical, pharmacy, and select graduate students are required to undergo a criminal background check as a matriculation requirement. Please review the Compliance Checklist tab for your program's criminal background check and/or fingerprint background check requirements. The University reserves the right to revoke an offer of acceptance, decline promotion or terminate participation in any or all curricular activities if information obtained in the background check is considered unfavorable. In addition, students are required to self-disclose to NEOMED immediately if the student has been convicted of, pled guilty to, or pled no contest to any criminal offense including misdemeanors, felonies, and traffic offenses other than minor offenses that may occur after a CBC is completed. Violations of Law forms are available online at Forms & Resources | NEOMED

A student who is enrolled may be dismissed if he/she has a history of an offense that renders him/her unable to meet the respective College's Essential Functions/ Technical Standards requirements for issuance of licensure. Failure to consent to the background check or failure to self-disclose an offense that would render the individual unable to meet the respective College's Essential Functions/Technical Standards are also grounds for revocation of acceptance or dismissal. The determination of the inability to meet the Essential Functions/Technical Standards will be made by the Division of Academic Affairs.

Procedures defining the parameters of the criminal background check; assurance that checks are timely, reliable, and valid; identification of specific offenses that would require revocation of acceptance or dismissal; and appropriate due process protections are developed through the Division of Academic Affairs after consultation with the Office of General Counsel.

To facilitate the background screening process, students are required to complete consent forms. These authorize the University to seek a review of records that will disclose past misdemeanors, felonies and/or presence of the student's name on a registry that would indicate a past incident of child, dependent adult, or sex abuse. Background information is obtained through the student's social security number and birth date and is done with the assistance of a reputable outside company. Background information is shared only to the extent necessary to make decisions about admission, matriculation, promotion, and continuation in the program.

The types of criminal background checks completed may vary year to year. Students will be notified of the vendor and procedures and must incur the cost of the check. Reports will be sent to NEOMED, and students will be able to review and contest their individual reports.

Reports are read and maintained by Student Services (i.e. Credentialing Office). If there is a questionable item on a report, the student will be contacted by Student Services and asked to provide additional documentation and explain the circumstances. Based on the severity and frequency of an item, the report may be reviewed and discussed by deans of the colleges and a student could be required to meet with Student Conduct Officer or the Committee on Academic and Professional Progress to discuss the report and incident(s). A student can view his or her CBC online from the vendor or by requesting an electronic copy from Student Services. If a student is aware of something that may appear on a CBC report, the student should immediately contact the Dean of Students to discuss the situation. Students are encouraged to do this prior to conducting the CBC.

A summary document outlining student rights under the Fair Credit Reporting Act is available to all students on the Financial Aid forms and policies page of the website. The background checks that the Colleges conduct does not include a check of students' credit, but the University is obligated by law to give students access to this disclosure document.

Credentialing for Compliance

Immunization Requirements

Student Immunization Requirements

The University, through the Student Health and Advising Committee, establishes immunization requirements for all students. These pre-matriculation requirements are based on the recommendations of the American College Health Association (ACHA), the Centers for Disease Control (CDC), the Association of American Medical Colleges (AAMC), and our consortium hospitals and clinical teaching sites. No student will be permitted to start and/or continue in the curriculum without meeting these requirements. Each student is responsible for payment of all required immunizations and titers unless provided at no cost by NEOMED. **Failure to upload appropriate documentation may result in removal from the curriculum.**

Requirements are outlined as follows:

COVID-19 –

The Covid vaccine is recommended for first year students. Depending on expectations of clinical sites, students without a Covid vaccine may be prohibited from participating at clinical sites.

Hepatitis B Vaccine – Required documentation includes:

- Completion of the two-dose or three-dose Hepatitis B vaccine series
- A positive Hepatitis B Surface Antibody titer

A positive titer is received; you will be considered compliant.

If the titer is negative, you must repeat either the two-dose or three-dose vaccine series and complete a follow-up titer after the series is finished.

Varicella (Chicken Pox) – Evidence of immunity includes any of the following:

- Written documentation of vaccination with two doses of varicella vaccine.
- Laboratory evidence (titer) of immunity.

MMR (Measles/Mumps/Rubella) – Evidence of immunity includes either of the following:

- Written documentation of two doses of MMR vaccine.
- Laboratory evidence (titer) of immunity to all three components (measles, mumps and rubella).

Students who have no documentation of two doses and have no lab evidence of immunity should get two doses of MMR vaccine at least 28 days apart.

TST (Tuberculin Skin Test) -TB testing is required annually for all students and provided by NEOMED to second through fourth year students.

FIRST YEAR STUDENTS: An IGRA (**Interferon-Gamma Release Assay)** blood test is required to begin the program, and documentation must be submitted by the immunization deadline.

- TB testing must be completed after May 1 and prior to the start of classes.
- If a new student's IGRA was positive prior to matriculation, documentation of a physician's evaluation is required.

CURRENT STUDENTS: Tuberculin Skin Test or TB for continuing students: provided by NEOMED but must be uploaded by student. Students who have a new positive TST reading or IGRA will be evaluated. Students with a history of a positive TST and negative IGRA are required to get a new IGRA each year. Students with a history of a positive IGRA must submit Physician's Clearance documentation on official letterhead and provide a chest x-ray completed within the past five years (required for initial submission only). For each subsequent year, an annual TB signs and symptoms form must be completed and submitted.

TB SKIN TEST (TST) POLICY/PROCEDURE:

All NEOMED students must show proof of being free from active tuberculosis infection annually. This can be done by having a TB skin test administered with 0.1 ml of purified protein derivative (PPD) and read by healthcare personnel within 48-72 hours. Nine millimeters (mm) of induration or less is considered negative and meets the requirement for annual TB testing.

Another acceptable method to meet this requirement is a negative serum Interferon Gamma Release Assay (IGRA), such as a Quantiferon or T-Spot test. Students who have been treated with INH (Isoniazid) will require a physician's clearance letter annually and must be free of TB symptoms. If a TB skin test is read with 10 mm or greater of induration, the student must follow up with their primary care physician (PCP), Infectious Disease (ID) Specialist or Health Dept. for evaluation and chest x-ray. An induration of 5mm or greater is considered positive for students with any of the following conditions: immuno-compromised including HIV-infection, received an organ transplant or had recent contact with a TB patient.

The student must provide documentation from a provider indicating no active TB disease and/or a treatment plan and if the student may return to patient care activities. The information may also be reviewed by the Immunization Committee.

All annual test results, including the physician clearance letter and/or chest x-ray, must be entered into the CastleBranch tracking system on myCB.

Students who do not complete the TB screening requirements will be removed from clinical experiences. Students who have an abnormal chest x-ray will be removed from clinical experiences pending further evaluation.

* If you believe you have been exposed to TB, refer to the Exposure to Infectious Disease Policy for guidelines.

Tdap (Tetanus, Diphtheria, & Acellular Pertussis) - Required documentation includes either of the following:

- Dose given within ten (10) years of first term of matriculation.

Meningococcal vaccine – Strongly recommended for students in campus housing.

INFLUENZA VACCINE

For students with primary enrollment in the Colleges of Medicine, Dentistry, Pharmacy and select College of Graduate Studies.

Rationale: NEOMED is dedicated to having all students protected from seasonal strains of influenza. By doing so, we are protecting the health of our students and the health of the community they serve. NEOMED will provide multiple opportunities for students to obtain influenza vaccination in the fall.

All NEOMED students from the Colleges of Medicine, Dentistry, Pharmacy and select Graduate Studies Programs' students must be vaccinated annually with the current vaccine formulation. This vaccine is covered by student fees for those students.

Students on a leave of absence must have a documented flu vaccine upon return to the curriculum.

Deadline: The deadline for influenza vaccination is November 1 to ensure a prompt, successful delivery within the peak administration months and so that students are vaccinated in preparation for their experiential education. Failure to comply will result in removal from clinical experiences and sites following written electronic notification from the Office of Student Services. Return to sites may be considered once compliance is fully met. NEOMED is not responsible for the academic repercussions of missed clinical time due to noncompliance with the Influenza Policy.

Process:

1. Receive your Influenza Vaccine

a. Designated Influenza Administration Point at NEOMED (annual; fall)

b. Private Medical Providers

c. Clinical Sites where assigned, if available

d. Community Centers/ Health Departments

e. Opt out/Ineligible * Sites will be notified of opt-out students and students will be expected to abide by policies and procedures of each individual site (including wearing a mask).

2. Secure Documentation of Vaccination

a. Request and save your documentation

b. Upload your documentation onto your computer

c. Upload documentation into myCB

3. Documentation Must Include

a. Student’s Name

b. Date of Vaccination Administration

c. Signature of Administrator/Medical Provider

d. Type of Vaccine

4. Approval

a. Document must be validated by myCB staff to be in compliance

5. Failure to comply

a. Notification of non-compliance with the clinical site

b. Possible removal from clinical site/experience

c. Possible referral for action following multiple failures to comply

Notification:

The order of notification will be as follows:

1. Email warning to student from Credentialing regarding non-compliance 3-5 days after the deadline.

2. Email to student from Student Services regarding non-compliance AFTER the deadline and copy to their college.

For more information about the Influenza Vaccine requirements, email immunizations@neomed.edu.

Credentialing for Compliance

MyCB Credentialing Tracking System

MyCB Credentialing Tracking System

MyCB, a CastleBranch solution, offers an easy-to-use, secure, online system that allows the NEOMED Credentialing staff to easily manage immunization records and other required student credential documentation. Students can mail, fax, or upload their requirements directly to their myCB account for secure online storage and easy access by the student and NEOMED. The CastleBranch Quality Assurance Team reviews each record for authenticity and contacts the student if any issues arise. This self-service system provides a complete record of a student's submitted immunization requirements.

New Students

As a new student matriculates, NEOMED requires them to upload updated immunizations. Students must be sure to complete all immunization requirements, other than the Influenza vaccine, PRIOR to the start of their fall courses. Once a student is given a code to create an account, they may upload their document(s) to MyCB.

By creating a myCB account, students are agreeing to pay for the service provided by CastleBranch. The myCB account is paid for with a one-time fee that is included in first-year student fees. If a student chooses not to attend NEOMED after creating an account in myCB, they will be sent an invoice for $28.00 to pay for the myCB account.

Students who do not complete their immunization requirements by the start of their program are subject to removal from the program.

For immunizations that have more than one step (ex. Hep B Series) and a required amount of time between steps, please follow the CDC timing recommendations. Students must have progressed as far as they can with all required immunizations to start and continue in their program. Students making progress in line with the CDC timing requirements are required to continue to progress forward with immunizations in a timely manner until they are complete. If timely progress with incomplete immunizations is not made once the academic program has begun, students may be removed from participation in clinical educational experiences.

Current Students

Throughout their enrollment, students will record up-to-date immunizations as additional vaccinations or labs are required. Yearly requirements include an updated Influenza vaccination (due by November 1) and Tuberculin testing by September 1. The list of required immunizations is located in the Immunization Requirements.

For more information, email questions to immunizations@neomed.edu.

Credentialing for Compliance

Student Health Insurance

Student Health Insurance

Medical, Dental, Vision, Disability

All professional program students are required to carry medical insurance, either through the NEOMED-sponsored carrier or through an approved waiver of comparable coverage. Students who do not have medical coverage may purchase coverage through the University's carriers during the determined open enrollment period. Students who have medical insurance through their own carrier will need to provide proof of coverage by going through the waiver process on the Haylor, Freyer and Coon on-line portal. Students who provide proof by the stated deadline will be exempt from enrolling in the University's medical coverage. NEOMED provides dental and vision coverage through the University selected insurance carrier. Students who do not have coverage through their own carrier, may elect to voluntarily enroll in the University's dental or vision insurance program, as well as optional disability insurance. Options for voluntary disability insurance can be found in Navigate NEOMED.

Coverage periods for the Insurance Program(s)

The coverage period for first-year students begins the first day of classes through June 30. The coverage period for continuing students is July 1 through June 30.

Dismissed Students

Students who are dismissed after being actively enrolled during the first 31 days of the period for which medical coverage is purchased will remain covered only through the end of that enrollment period (either December 31 or June 30, whichever comes first). No refund of the premium will be refunded. Students who are dismissed do not have the option to continue coverage after the end of that enrollment period in which they were dismissed and may request reimbursement of the pro-rated premium in writing within 15 days of the date of dismissal to the NEOMED Credentialing/Immunizations staff. Students who are dismissed from NEOMED during the first 31 days of the period for which coverage is purchased are not covered under the policy. Any claims submitted within the first 30 days of the coverage period are the financial responsibility of the student. For information regarding ancillary/voluntary dental and vision insurance, contact healthinsurance@neomed.edu for assistance. Dental and Vision is an agreement between the student and individual insurance carrier. Payments and potential reimbursements are directly through the insurance carrier. Life and disability insurance are terminated on the date of dismissal and no refund will be permitted.

Expiration of Medical Insurance

If a student has medical coverage through an outside carrier and that plan expires while the student is enrolled, the student is required to purchase medical coverage through the University's carrier or provide proof of purchase of medical coverage through another outside carrier. If insurance coverage is purchased through another outside carrier, that proof of insurance must be provided to the Credentialing staff.

*Insurance Coverage for Students on a **Leave of Absence (LOA)***

All students enrolled in the University's Student Medical Insurance plan who have been granted a leave of absence and have been actively enrolled during the first 31 days of the period for which coverage is purchased, will remain covered under the policy for the full period for which the premium has been paid. Refunds are not permitted. Students on LOA have the option of continuing insurance coverage as follows:

For LOAs after 31 days of enrollment but before the end of the fall semester, students are eligible for coverage through the end of the current semester. For questions about or to request a continuation of medical coverage, contact the NEOMED Credentialing/Immunization Staff.

For LOAs during the spring semester, students are eligible for coverage through June 30. Any student taking a Leave of Absence from NEOMED with less than 31 days of active enrollment during the period for which coverage is purchased is not covered under the policy and may not request coverage for that academic year. If a student is enrolled in the insurance plan and the premium has been paid, a pro-rated refund of the premium will be made to the student once they have been enrolled for 31 days. Students on LOA are not eligible to re-enroll in the University's medical coverage until they return to the curriculum. Ancillary insurance (dental and vision) is terminated upon the first day of an LOA and coverage can be purchased upon return to the curriculum. Students graduating on-track (in May) are eligible for insurance coverage through the end of the insurance period, June 30 of that year, if the premium is paid in full.

Students graduating off-track (after the May graduation date) are eligible for continued insurance coverage only if students actively attend classes during the first 31 days after the date for which coverage is purchased. Students graduating off-track, but before December 31 are eligible for coverage through December 31. Students graduating off-track, but after January 1 and before June 30, are eligible for coverage through June 30.

Payment of Student Insurance

Medical Insurance: Students will be billed approximately one-half of the insurance premium at the beginning of the fall and spring semesters. This is to be paid in full by the due date given at that time. Students who enroll mid-year will be charged on their student account for the pro-rated amount and given a due date for the premium amount. Life and Disability Insurance: Students are billed for the total amount at the beginning of fall semester. Dental and Vision Insurance: Payment is made directly to the dental or vision insurance provider via HFC insurance brokers. Email student@haylor.com to enroll.

Withdrawals

Students who withdraw from NEOMED after 31 days of enrollment will remain covered under the policy for the full period for which the premium has been paid without the option to continue coverage until "active status" has been reestablished. Students who withdraw from NEOMED during the first 31 days of the period for which coverage is purchased are not covered under the policy and a full refund of the premium will be made. Any claims submitted within the first 31 days of the coverage period are the financial responsibility of the student.

Toxicology Screening

Toxicology Screening

This policy is designed to ensure a clear understanding of the expectation that students participate in Toxicology Screening to ensure their safety, the safety of their patients, and the safety of the health care environments where they may be participating in direct patient care activities, as well as comply with the requirements of the facility at which that care is being provided. The policy applies to all students enrolled in academic programs that include Clinical Activity as defined within the Toxicology Policy.

Refer to the Toxicology Screening Policy for more information regarding the screening requirements, procedures, timelines, and ramifications of positive results and/or non-compliance. Questions can be referred to NEOMED Student Services.

Screening Process

The toxicology screening is conducted by a third-party agency or the NEOMED Health Clinic (depending on year of the screening) and is required for all students as they enter M1, M3, D1, D3 and P1-P3 years and any NEOMED student assigned to a clinical or practice site requiring screening through urine testing prior to being permitted to interact in that setting. All testing will be coordinated through CERTIPHI or the NEOMED Health Clinic and the Office of Student Services.

The substances listed below are those that are included in the Toxicology Screening. The 12-Panel tests for all of the following drugs, while the 10-Panel tests only for those listed in (i) – (x):

i. Amphetamines/Methamphetamines
ii. Cocaine and Metabolites
iii. Cannabinoids (Marijuana)
iv. Opiates (Morphine and Codeine)
v. PCP
vi. Barbiturates
vii. Methadone
viii. Propoxyphene
ix. Ecstasy
x. Benzodiazepines
xi. Buprenorphine
xii. Hydrocodone

M1/D1 student toxicology screenings will be conducted at the start of the fall classes and must be completed before entering the clinical setting. M3/D3 student toxicology screenings will be conducted in the summer before the start of M3/D3 rotations with a “clean” result expected one week prior to the start of clinical rotations. Pharmacy students toxicology screenings will be conducted start of P1, fall of P2 and spring and fall of P3 and prior to starting a rotation at a practice site which requires screening as part of their affiliation agreement with NEOMED.

The third-party process (CERTIPHI) will be Student information including name, birthdate, email address, and last four digits of the social security number will be securely sent to CERTIPHI by NEOMED. CERTIPHI will then email each student individually with instructions to sign-in to *Application Station* to create an account. A follow-up email to students from CERTIPHI will provide instructions for visiting a collection site close to NEOMED students.

CERTIPHI has enlisted LabCorp Clinics to conduct the collections. Multiple LabCorp sites have been identified that are conveniently located in the northeast Ohio region and CERTIPHI can assist students with identifying additional sites outside the region if necessary. Students must take to the testing site identification (driver’s license, passport or birth certificate), the letter from CERTIPHI and the student-specific account number that has been assigned by CERTIPHI.) Students must complete the urine testing at an approved LabCorp site by the identified deadline date.

If a Pharmacy student is assigned to an IPPE or APPE site that requires a new drug screen, the student is required to complete the testing. Requests to change a site assignment to avoid the testing will not be considered. The student is responsible for the cost of the screening.

Students currently on a prescribed medication included within the 10-panel drugs will be contacted directly by a CERTIPHI representative (usually by phone) who will request written proof of prescription(s). Students will not be asked to submit proof of prescription(s) until after testing is completed. NEOMED will not be informed of these occurrences.

Test Results

Results of toxicology screening will be maintained confidentially and managed through the Office of Student Services and the Assistant Director of Credentialing in a manner that complies with applicable state and federal requirements. If an initial positive result is obtained for any of the substances within the 10-panel screening, CERTIPHI will have a medical representative contact any student directly with a positive screen to request proof of prescriptions before a final positive result is reported to NEOMED.

The NEOEMD Health Clinic process begins with an announcement from Navigate NEOMED giving you the dates of the drug screen. You will then get an email to your NEOMED email from the credentialing office with the instructions and details for the drug screen. his drug screen will be paid through student fees. The Office of Credentialing will be notified by the health clinic when your reports are complete and will be released to our office. Our office will upload a copy into "My Documents within your myCB documents folder for easy access.

Drug Screen Process:

- You will receive an email from credentialing. There will be an attached form that you will fill out to schedule your date and time of drug test
- Show up to the NEOMED Health Clinic well hydrated with your photo ID
- The cost of the drug test is covered by your student fees. You will not be asked for payment for this test.

Final test results will be stored in a confidential manner and separate from the student's academic file unless the matter is referred to and heard by the Committee on Academic and Professional Progress (CAPP). Students will have access to results via the vendor or by contacting Credentialing and requesting an electronic copy. Students can share this information with clinical sites as requested.

Students who refuse to complete toxicology screening testing or receive a positive result of their screen will not be permitted to participate in any patient care activity and will be referred to Student Conduct for appropriate action, such as the imposition of a mandatory leave of absence, substance abuse treatment requirements or even dismissal from the University. Other possible ramifications include an additional assessment by a physician addiction specialist, and subsequent monitoring and treatment requirements based upon recommendations. For Pharmacy students, notification to the Ohio State Board of Pharmacy is required. The student will be guided and encouraged to self-report to the Board. If the student does not do so, the College of Pharmacy will report as required. Evidence of rehabilitation and ongoing sobriety through monitoring in formal aftercare may be required before a student may be permitted to return to the curriculum with Conduct approval.

Accepted applicants who have positive results of a drug test prior to matriculation may have their offer of admission rescinded.

Accessibility Services

Overview

Accessibility Services at Northeast Ohio Medical University works with students, faculty, and university partners to ensure equitable access to academic and clinical learning environments. The office coordinates disability-related accommodations in accordance with federal law and university policy.

Accessibility Services uses an interactive process to review documentation and determine reasonable accommodations that support access while maintaining the essential requirements of each program.

Services

Accessibility Services may coordinate supports such as:

- Extended testing time
- Reduced distraction testing environments
- Assistive technology support
- Consultation related to disability access in academic or clinical settings

Learn More

Students can learn more about Accessibility Services and the accommodation process through the following resources:

- Accessibility Services Website

Students who have questions about disability accommodations, course access, or accommodation implementation should contact Accessibility Services using their NEOMED email and include their program and course information when reaching out.

Contact

Accessibility Services (within the Learning Center)

Email: accommodations@neomed.edu

Resources - Advising

Advising

Professional Programs

Upon matriculation to the College of Medicine, students are assigned to a Professional Development Advising Team (PDAT), which includes a clinical advisor, a peer advisor and a small group of colleagues from their cohort. Students are also assigned an Academic and Career Advisor (ACA) from the Student Affairs team, who meet with them pre-matriculation and routinely (and as needed) throughout their time in the medical education program. ACAs will monitor academic progress, aid in referral if needed for academic support and work with students to help identify the medical field that best suits them and create a plan to help the student achieve this goal. The ACAs are well versed in the many support services available in the College of Medicine and at the University level and can help students navigate the routes to the service they are in need of.

Upon matriculation, College of Pharmacy students are assigned to a Professional Development Advising Team (PDAT) that includes a PDAT advisor, two peer advisors and a small group of peers. PDAT advisors are practicing pharmacists who provide leadership and direction to student advisees with primary responsibilities in areas of career advising and orientation to the practice of pharmacy.

For Bitonte College of Dentistry students, the BCOD Director for Student Success is the first point of contact for students for personal, academic, and career advising. The Director for Student Success also serves as the student advocate during academic performance review and/or student conduct review proceedings. Academic advising associated with learning strategies and study plans is coordinated through the services of the Learning Center.

Graduate Programs

Students in the graduate degree programs work with the Program Directors upon matriculation. Program Directors provide advice and guidance regarding academic program requirements, student career aspirations, University policies and procedures and other campus life events. Refer to your individual advising program materials for additional information.

Dual Enrolled students in a certificate or COGS degree and a Professional degree should remain in contact with all advising directors.

Resources - Alumni Relations

Alumni Relations

Alumni are committed to helping students find success in their chosen fields. Our graduates have completed residencies in a wide array of specialties and subspecialties in residency programs across the country and are available to speak with students at any step along the way. More than 300 alumni serve as clinical faculty members, and nearly 2,000 live and practice in northeast Ohio and are pleased to be a resource for students.

The Alumni Association sponsors a variety of programs for students throughout the year, including events to help students meet and network with alumni and professionals in various specialties and activities that provide support and encouragement.

Students can start connecting with alumni at any time by utilizing NEOMED Connect. The Alumni Association also sponsors various student events if you would like to invite alumni to campus for guest speaking and networking opportunities. For more information, please contact alumnioffice@neomed.edu.

The Alumni Association is supported by the NEOMED Foundation, a 501(c)(3) independent, not-for-profit organization that supports NEOMED's mission, students, and alumni.

Resources - Area Health Education Centers (AHEC)

Area Health Education Centers (AHEC)

The Area Health Education Center (AHEC) program promotes primary care practice in medically underserved areas of the state. The NEOMED AHEC participates with other Ohio medical schools in implementing the AHEC program, which was established in 1973 to support undergraduate and graduate medical, nursing, and allied health education programs in rural and urban settings in Northeast Ohio.

The AHEC program is linked through four community-based AHEC centers: Akron-Region Interprofessional (Akron), Canton Regional (Canton), Cleveland-Region Interprofessional (Cleveland), and Eastern Ohio (Youngstown). These centers, in collaboration with the NEOMED AHEC Program Office, plan and develop educational programs based on their assessment of local resources, health personnel needs and the interest of each community. In addition to medical education, the Centers develop clinical-based educational programs for other health professions with The University of Akron, Cleveland State University, Kent State University and Youngstown State University.

AHEC provides recruitment programs for students who are considered underrepresented in the health professions; community-based student education for health professional students; and professional development/continuing education for health professionals focusing on primary care.

The AHEC Program and its centers collaborate with other Ohio medical colleges, the Ohio Department of Health and other state agencies, nearby partner universities and local hospitals. The program is funded through the Ohio Legislature through the Ohio Department of Higher Education, the federal AHEC Program (HRSA), Bureau of Health Workforce, and by partner universities, local grants, and program-generated funds.

Resources - CARE Team

CARE TEAM

NEOMED strives to cultivate a caring community in which students, faculty and staff are encouraged to engage in healthy, help-seeking behavior for themselves and others.

The CARE Team Referral Form may be used to report behaviors and/or circumstances that have the potential to negatively impact the campus learning environment and/or potentially harm the health, welfare and/or safety of members of the University community or the individual(s) exhibiting such behaviors. NEOMED's CARE Team, along with other key campus and community partners, focus on prevention, early intervention and provision of support services for individuals dealing with a variety of "life" issues. Referrals are accepted from students themselves, their families, faculty, staff, and the surrounding community.

NEOMED's CARE Team is comprised of trained representatives from key areas of campus who provide information, resources, or expertise enabling the team to be most effective.

For questions or concerns related to how an issue should be addressed, please contact Dr. Nicole Kent-Strollo, Dean of Students at nkentstrollo@neomed.edu. If there is an imminent risk, call 911 immediately.

Resources - Continuing Professional Development

Continuing Professional Development

The Continuing Professional Development portfolio provides ACCME accredited continuing education programs for health professionals in Northeast Ohio to improve population level health outcomes. The office also supports lifelong-learning and stands as a resource for leadership development, talent development, quality improvement and lean initiatives.

Resources - Counseling Services and Crisis Support

Counseling Services and Crisis Support

Student mental health issues are not uncommon given the stress students experience while in professional school. To provide support for students and to assist in meeting personal, academic, and professional goals, NEOMED provides on-site and virtual mental health counseling services.

Students should reference Counseling Services for NEOMED Students | NEOMED for up-to-date information regarding Counseling Services, Psychiatric Services, Emergency/Crisis Counseling, Emergency Psychiatric Services, and other critical resources.

Faculty, staff, administrators, and students may consult with contracted counselors at NEOMED Health Care if they have concerns regarding a student. Consultation includes discussing the student of concern's behavior, their observations, and questions about how to best assist the student they believe is in distress. Options for preferred approaches are discussed and, in some cases, a referral to the CARE Team may be recommended. The counselor makes it clear during the consultation that it is not the standard practice directly contact the student of concern because of the consultation, unless it is determined that the student is in immediate crisis or a danger to self or others. If the situation is deemed emergent, NEOMED police will be contacted to ensure student safety. The counselor makes every effort to encourage the individual seeking consultation to approach the student of concern to seek services.

Hotlines and Local Resources

- On Campus Emergency: 911
- Off Campus Emergency: 911
- NEOMED After-hours Urgent Counseling Phone: 330.325.6757
- Town Hall II Help Line: 330.678.HELP (4357)
- National Suicide Prevention Lifeline: 988
- Crisis Text Line: 741-741
- Trevor Lifeline for LGBTQ persons: 866.488.7386

Sexual Assault

- RAINN Hotline (Rape, Abuse and Incest National Network): 800.656.HOPE (4673)/ (https://www.rainn.org/)
- Town Hall II Help Line: 330.678.HELP (4357)

Drugs and Alcohol/Substance Abuse

3. Townhall II: 330.678.4357
   Detox referrals, comprehensive assessment, individual & group counseling, residential treatment for women. Location: 155 N. Water St., Kent, OH
4. Coleman Professional Services: 330.673.1347
   Offers comprehensive assessment, individual & group counseling, mental health and alcohol/drug dual diagnosis, and medication assisted treatment (Vivitrol). Location: 5982 Rhodes Rd., Kent, OH
5. Summit County ADM Board: 330.434.9144/330.940.1133/ https://www.admboard.org/
6. Family & Community Services: 330.677.4124
   Offers comprehensive assessment, individual & group counseling, residential treatment for men, and recovery housing. Location: 143 Gougler Ave. Kent OH
7. Substance Abuse and Mental Health Services Administration (SAMHSA) National Helpline: 1.800.662.HELP (4357)/ (https://www.samhsa.gov/)
8. Alcoholics Anonymous: https://www.aa.org/
9. Narcotics Anonymous: https://www.na.org/

Domestic Violence

- The Ohio Domestic Violence Network: 800.934.9840/(http://www.odvn.org/)
- National Domestic Violence Hotline: 800.799.7233/(http://www.thehotline.org/)
- Family and Community Services: 330.677.4124/(https://fcsserves.org/)
- Summa Center for the Study and Treatment of Traumatic Stress: 330.379.5094

Medical Emergency

- University Hospitals Portage Medical Center Emergency Services Hospital
  Phone: 330.297.2850
  Address: 6847 North Chestnut Street, Ravenna, Ohio

Resources - Department of Public Safety

Department of Public Safety

The Northeast Ohio Medical University Police Department (NPD) is committed to developing and maintaining a safe and peaceful environment. Our officers are sworn to protect constitutional rights, enforce state laws, and provide ethical and equitable police services in support of the University's mission. NPD is supplemented by contracted security officers who staff the front security desk (room A-90). Emergency calls are dispatched to the NPD through a local dispatch center. NPD operates 24 hours a day, 7 days a week. For non-emergencies, NPD can be reached by calling 330.325.5911.

NPD Services

- Proactive foot and vehicle patrols of campus
- Response to all calls-for-service, medical emergencies, and other incidents on campus
- Investigation of criminal acts and incidents that occur on the NEOMED campus
- Vehicle lockout and jumpstart assistance on campus
- 24/7 safety escorts to any location on campus
- Monitoring and maintenance of campus blue light emergency phones
- Timely alerts through the University's mass emergency notification system
- University ID card services and access control
- Run, Hide, Fight training
- Safety presentations

Contact Information

(1) Campus Security Office, Room A-90, 330.325.6489 or 330.325.5911

(2) NEOMED Police Department, Room M112, 330.325.5911, police@neomed.edu

Access to Campus Facilities

Access to the campus is restricted to NEOMED identification card holders. Generally, all exterior doors to the campus are locked, except for the NEW Center, which is a building open to the public. Several exterior doors have key card access allowing personnel and students convenient access to their work and study areas.

Emergency Notifications

NEOMED's Department of Public Safety works closely with other offices and departments on campus, as well as outside agencies to assess threat levels. If a determination is made that an emergency or dangerous situation exists that poses an immediate threat to the health or safety of members of the University community, the Department of Public Safety, in conjunction with input from the Offices of the President, Operations and Finance, and Marketing and Communications, will determine the content of the notification. Some, or all, of the systems described below will be used to communicate the threat to the community, or to a particular building or segment of the community.

The emergency notification system, Rave, can send messages via email, text messages to cell phones, and voicemail to cell, home, and office phones. NEOMED will immediately notify the campus community upon confirmation of a significant emergency or dangerous situation involving an immediate threat to the health or safety of students or employees occurring on the campus, unless issuing a notification will compromise efforts to contain the emergency. Emergency messages will include information on what has occurred and directions to the campus on what to do next.

Methods by which notifications may be received include:

1. RAVE Alert
2. Public address system
3. NEOMED's website, www.neomed.edu
4. Print and broadcast media

It is necessary that every student and employee keep his/her contact information current in the emergency notification system. To view and/or update personal contact information, please log into your RAVE account at https://www.getrave.com/login/neomed.

Employees and Students Arrested for Offenses of Violence ("1219 Proceedings")

The purpose of this policy is to outline the procedures for the immediate suspension and possible termination of employees arrested for Offenses of Violence. This policy will also be used for the suspension and dismissal of matriculated students arrested for offenses of Violence. The scope of this policy is inclusive of all employees and matriculated students of the University. The full policy is available online at the Policy Portal.

Fire Alarm Procedures

All faculty, staff, students, and visitors shall follow any emergency instructions given by emergency response personnel during an emergency situation. When the fire alarm sounds, ALL faculty, staff, students, and visitors will leave their respective buildings immediately by the nearest exit. Close any open windows or doors in the area as you exit the building if time permits. Stay far enough from the building to permit easy entrance by fire department personnel and equipment. When the building alarm is silenced, *do not enter the building*. When it is safe to enter, an "all clear" will be given. All personnel, except designated response personnel, are required to leave the building immediately regardless of activities in progress. No classes, meetings, research, or surgical activities justify endangering human life from fire or toxic gases. Time should be taken to deactivate miscellaneous electrical and mechanical equipment only if they cannot safely continue running unattended.

Fire extinguishers are located throughout all buildings. If evacuation of a building becomes necessary, exit using the stairways. Elevators should not be used under any emergency evacuation circumstance. Tampering with fire alarms or fire prevention equipment is against the law and may result in criminal charges and/or dismissal from the University.

Firearms: Crisis and Student Possession of a Firearm

Firearms are not permitted on campus. This includes The Village housing. In consultation with the University Police Department, the following was agreed upon for students who may be in crisis and/or seen in Counseling Services and have possession of a firearm. If a student who resides in The Village wishes to voluntarily surrender a firearm for their safety or the safety of others, University Police agree that no charges will be brought against this student solely for disclosing or possessing the firearm in The Village. As the mental and physical well-being of the student population are of paramount importance, and to minimize risk exposure for students experiencing a mental health crisis, the University Police will facilitate the removal of the weapon as a measure of safety.

Chief Williams or Lieutenant Parker may be contacted 24/7 either independently by a student (the student would call the non-emergency University police number, 330.325.5911 and ask for them specifically) or by contacting the Counseling staff that a firearm needs to be removed from the Village housing. The officer would go to the student's residence and remove the firearm. The weapon would then be stored safely in the police department until proper disposal or safe transfer of the weapon can be made. Students living in off-campus housing may also request removal of a firearm if there is a question of safety to the individual or others.

Identification Badges

NEOMED ID badges shall be worn at all times. ID badges greatly aid faculty, staff, and students in getting to know each other. A visible ID badge also helps in identifying authorized versus unauthorized personnel on the premises. Students are expected to keep their ID badges during their entire educational career at the University. Lost, stolen, or misplaced badges must be reported promptly to the campus security office and replaced immediately. A fee may be assessed for the replacement badge.

Minors on Campus

Minors are permitted in all non-laboratory areas of the NEOMED campus when accompanied by an adult. Minors are not permitted in the laboratory areas unless prior written approval has been provided by the department head in advance of the minor's visit and the requisite supervision will be in place during the visit. "Minors" refers to persons under age 18. Minors 16-18 years old may work on the NEOMED campus provided their parent(s) or legal guardian(s) complete the necessary paperwork with Human Resources allowing them to do so.

Laboratory areas are specifically defined as follows: The Multi-Disciplinary Teaching Laboratories and Gross Anatomy laboratory areas of B building; All Basic Medical Sciences laboratories in C, D, E and F buildings; The Research and Graduate Education Building, and all restricted access areas in the Comparative Medicine Unit (CMU).

Minors may be permitted in these areas under special circumstances with the prior written approval of the Office of General Counsel. Activities in the CMU will require the additional approval of the director of CMU.

The NEW Center, Sequoia-Wellness, the Information Center, and the bookstore are open to the public.

Parking (see parking lots on the campus map)

Registration Regulations

Students must register their vehicle with the University via the NEOMED website. Once vehicle registration is complete, the permit can be picked up at the campus security office in room A-90 between the hours of 8a.m.-4p.m., Monday-Friday. Parking permits are required for all students. Permits shall be placed on the rear-view mirror while the vehicle is parked on university property. Instructions for logging into the vehicle registration screen are as follows:

- Go to the NEOMED website: http://www.neomed.edu
- Click on *Students* at the top
- Click on *Student Self-Service* and log in
- Click on *All Users*
- Click on *NEOMED Parking*
- Add vehicle information

Registration/Parking Enforcement

Students should register their vehicle and acquire their parking permit during the first week of classes. A deadline by which vehicle information should be updated and new permits acquired will be communicated to the campus community. **Faculty, staff, and students who do not update their vehicle information and acquire a parking permit by the deadline will be charged a $150 fee.**

R Parking Lot by the Research and Graduate Education Building (RGE Building)

The RGE parking lot is for faculty and staff parking only. Students who are enrolled in the KBMS, BTB, or MMSc-A programs are permitted to park in the RGE parking lot. All other students and residents of The Village are not permitted to park in this lot between the hours of 7a.m.-5p.m., weekdays. All students and residents of The Village are permitted to park in this lot on weekends and from 5p.m.-7a.m., weekdays. Students and residents of The Village who park in this lot during restricted hours are subject to citations and/or tow.

Visitor Parking Lots by the NEW Center

NEOMED students are not permitted to utilize parking spaces in the NEW Center visitor parking lots weekdays, between 7a.m.-5p.m. Students may park in the NEW Center visitor parking lots without restriction on the weekends, and from 5p.m.-7a.m. weekdays.

Fines

Fines for NEOMED citations issued for parking violations are $25 and/or towed vehicle. Anyone issued a citation for traffic offenses under the Ohio Revised Code is subject to fines and/or court dates as set forth by Portage County Municipal Court.

Certain traffic offenses under the Ohio Revised Code are also violations of campus parking rules and regulations. Citations can be issued for both.

Questions and Additional Information:

Please visit NEOMED Police | NEOMED for additional information. For questions, contact the Department of Public Safety at 330.325.5911 or email police@neomed.edu.

Reporting Criminal Incidents and Other Emergencies

All students, employees and visitors should promptly call 911 to report criminal incidents, accidents, and other emergencies. After a call is made to 911, students, employees and visitors should notify the campus security office at 330.325.5911 to inform them of the emergency, if it is safe to do so. For non-emergency public safety related matters, contact the Department of Public Safety at 330.325.5911.

The red “emergency” button on the exterior emergency telephones is programmed to dial 911 directly. The keypad may continue to be used to dial any on-campus extension, including campus security at ext. 5911.

Emergency blue-light phones are also available in university parking lots. These phones allow individuals in need of assistance to call 911. The emergency blue light phones are located throughout campus parking lots.

Resources - Examination Guidelines and Procedures

Examination Guidelines and Procedures

Examination schedules are published in the day-by-day course schedules and syllabi, which are available on the Canvas Learning Management System. Examinations may include, but are not limited to, written, oral, practical or laboratory evaluations, quizzes, and medical students’ NBME subject examinations. Laboratory exams may require the use of AI grading software in addition to faculty review.

As described during orientation, all students have subscribed to the guidelines of the *Expectations of Student Conduct and Professional Commitment* and should maintain the highest level of academic integrity, including during examinations.

Exam Administration

Examinations will start at the time specified by Testing Services. Check-in begins 20 minutes before the start of the exam. Doors will close 5 minutes prior to exam start time. Students are expected to be checked in, logged into the testing platform, and in their seat at this time. Students who arrive late for an examination will not be permitted to test. Students who arrive late, as well as students who are absent, must contact the designated college representative immediately to receive further instructions.

Seats will be assigned randomly for all examinations. Students who must leave the testing room during the examination will be escorted one at a time for the full duration of their absence. No extra testing time will be allowed for the time lost during the absence.

Students are not permitted to use their own written notes or calculators during an examination. If certain materials are required they will be provided by Testing Services, however, students may bring their own writing utensils and foam earplugs (including Loop Brand).

Students carrying books and coats and other unauthorized materials to the test sites will be instructed to place them in the hallway outside the testing room. The materials may not be retrieved until the examination has been completed. NEOMED is not responsible for belongings left unattended during an examination.

Food and drink are not permitted when taking exams in the multidisciplinary labs (MDL), Yassine Gross Anatomy Lab, or when taking an NBME subject exam or customized assessment in any room. Students with a health issue who are impacted by this policy must contact Accessibility Services located inside the Learning Center.

Account Authentication

While electronic devices are not permitted on a student's person, student phones need to be accessible in the event of needing to authenticate logging into the testing platform. Therefore, students will be directed to place their phones in the designated areas as specified by Testing Services.

Exam Integrity

To ensure the integrity of the examinations and the validity of the reported scores, all examinations are proctored unless otherwise noted. All examination sessions are video recorded, and the recording may be used to identify inappropriate behavior. Proctors will actively monitor the students to ensure that all exam rules are being followed. All students are required to have a privacy screen covering their monitor for the duration of the exam.

Failure to abide by proper testing procedures will result in a referral to student conduct.

Examples of irregular behavior include, but are not limited to:

- Unauthorized materials brought into the testing room including items containing test-sensitive material.
- Any electronic device (excluding necessary medical devices) found on a student's person including but not limited to cell phones, tablets, standard watches, Fitbits, smart watches, smart glasses, earbuds, headphones, smart rings and any item with Bluetooth capabilities.
- Talking once the exam password has been distributed.
- Copying answers or looking at other students' devices.
- Recording the exam in any capacity.
- Making written notes before the start of an examination.
- Failure to stop working when time is called at the end of the examination.
- Failure to return all materials after exam completion.

Testing Services has the right to inspect and confiscate any items during an examination at any time.

Score Reporting

For online examinations, scores are based on the recorded answers in the online examination. For online examinations, students are responsible for verifying that they have answered all the questions and that they have uploaded the examination with proctor approval before leaving the testing room. All testing materials will be collected at the time the students leave the examination room.

Testing staff operate during business hours only and coordinate with course faculty regarding adjustments, finalizing and the release of scores. Reports are provided to course faculty within 24–72 hours after exam administration, and the timing of score release may vary. If students feel their examination was scored incorrectly, they should discuss their concerns with the course director.

National Board of Medical Examiners (NBME) Subject and Customized Examinations – College of Medicine

As part of their assessment in some courses, medical students take customized and subject examinations produced and graded by the NBME. Scores for these examinations are, for some courses, combined with other class assessments to produce a final grade; the weighting of these examinations is detailed in the course syllabus.

Medical students take an NBME subject examination at the end of the clinical clerkships during the M3 year. Passing the NBME subject examination is required to pass the clerkships.

In the event of a failed clinical subject examination in the M3 year, in accordance with CAPP guidelines, the student will be scheduled to retake the NBME subject examination on a predetermined date. Remediation examinations will be scheduled at NEOMED by College of Medicine and Testing Services administrators. If a student wishes to retake the exam at a Prometric site, he/she will be responsible for the additional cost of test administration at Prometric. Examination retakes are not permitted during another clerkship. NBME policy requires that all subject examinations be administered on the scheduled test date. If a student is not able to take the NBME subject examination at the scheduled time due to illness or critical emergency, College of Medicine personnel will work with Testing Services and the NBME to reschedule the examination. The student will be held accountable for any additional cost involved in the request for a new examination.

Students who successfully complete all other requirements of their clerkship but fail the first attempt of any clinical subject exam in M3 will be assigned a temporary clerkship grade of "Extended Time" (EX). If the student successfully passes the subject exam on the first retake, the temporary grade of "Extended Time" will be replaced with a grade of "pass" on the student's transcript. Regardless of the student's score on the second attempt, the highest clerkship grade that the student can receive is "Pass." If the student fails to successfully pass the retake exam on the first attempt, the "Extended Time" transcription will be replaced with a permanent grade of "Fail." Students must retake and successfully complete any clerkship subject examination no later than Sept 15 annually following the M3 academic year, according to the exam retake schedule availability set with the College of Medicine and Testing Services or they will be assigned a permanent grade of "Fail."

USMLE Requirement (College of Medicine)

The National Board of Medical Examiners has established a three-step examination process for medical licensure in the United States. The USMLE provides a common assessment system for applicants for medical licensure. NEOMED medical students are required to obtain passing scores on USMLE Step 1 and Step 2 CK (Clinical Knowledge) to be eligible for graduation. Individuals must have passed Step 1 and Step 2 CK to be eligible to take Step 3. Step 3 is usually taken after one year of residency training. All three steps must be taken within a seven-year period for licensure eligibility. General guidelines and processes for USMLE registrations are available at www.usmle.org. NEOMED specific policies and expectations regarding both the scheduling and passing of the USMLE are outlined in the Academic Minimums for Continued Enrollment, Promotion & Graduation section of this publication.

Resources - Information Technology

Information Technology

The Information Technology (IT) Department provides central computing and communications services, planning, policy development and infrastructure support for the University community. More information regarding supported IT applications, account access requests and associated policies can be found on the NEOMED IT website. Information, supporting documents, training videos, and tips for best practices for applications and technologies can be found on the IT Help Desk Portal website within the Knowledge Base.

Information Technology (IT) Education Services

IT Education Services is a part of IT and is the University's source for the development and deployment of educational technologies, room technical support, lecture capture, video conferencing, students' response system, multimedia productions, and faculty/staff training.

Contact for Support

A student's primary point of contact for technology assistance is the Help Desk:

1. Visit the Help Desk; located in the library
2. Open a ticket via the Help Desk Client Portal: Help Desk Client Portal (this link can also be found on the Student Resources page of the NEOMED website)
3. Call 330.325.6911
4. Email help@neomed.edu

Electronic Capture of Learning Activities

Electronic capture of learning activities is the responsibility of Information Technology, which follows University guidelines for obtaining appropriate permissions from those involved. Learning activities at NEOMED involve all scheduled curricular activities and include lectures, labs, small groups, presentations, reviews, demonstrations and any activity in which faculty members, patients or off-campus visitors are participating. Capturing any of these events using video recorders, cameras or camera devices, digital recorders in any form, including cell phones and PDAs, is not allowed without the express written consent of all persons involved and the administration. Posting of any material for "personal use" to any website also requires written consent in advance. A request form is available from the Departments of Academic Services or Information Technology and should be completed with signatures prior to any activity. The form should be returned signed to the Department of Academic Services. Students who initiate electronic capture of faculty, staff, visitors, or a curriculum activity without permission will be asked to discontinue the activity immediately. Additional action may involve referral to the Committee on Academic and Professional Progress (CAPP) for unprofessional behavior or misconduct.

Technology Requirements

Academic programs provide specific computer/software recommendations for students based upon curricular requirements and/or the technology students are most likely to find "in the field" in each profession. NEOMED coursework will require videoconferencing capabilities in addition to the technical specifications listed below.

Laptops - Required for College of Medicine & College of Pharmacy students

Each student must have a charged laptop computer with the following capabilities:

- A Windows device running a currently supported operating system (Windows 11) that includes at least:
- i5 or i7 Processor or higher
- Wireless card: Minimum requirement 802.11 a/b/g/n; Recommended requirement 802.11AC/AX (WiFi6 compatible)
- 1 GB of graphics memory (minimum)
- 8 GB RAM (minimum)/ 16 GB RAM (recommended) of system memory
- 250 GB of hard drive capacity
- Screen resolution of 1024x768
- *Recommended but not required (On-board Bluetooth Connection)

  or
- An Apple MacBook running a supported version of MacOS version 15 and above

Mobile Devices - Required for College of Pharmacy students

Each student must have a charged mobile device with the following capabilities and operating system:

- iPhone/iPad Touch - iOS 18.0 or higher; Wi-Fi or cellular connection
- iPad – iPadOS 18.0 or higher; Wi-Fi or cellular connection
- Android – Android OS 15 or higher; Wi-Fi or cellular connection

Required for College of Dentistry students

- Each student must have a charged, current 13" iPad Air with iPadOS 18.0 or higher; Wi-Fi or cellular connection

Antivirus protection is required for students' personal devices, however the NEOMED IT Department is not able to provide antivirus software for students. Available options have been provided for student convenience and assessment.

NEOMED provided software is Microsoft 365.

The NEOMED help desk will assist with issues related to campus technology resources, including wireless access, passwords, email, etc. We will attempt to guide and assist with students personal computing issues, however; computer hardware repairs or any data loss associated with assistance are not the responsibility of NEOMED or the Information Technology Department.

If a student is experiencing a technical problem with their personal computer, NEOMED loaner units may be available via the Help Desk. They may only be reserved for one week on a first-come, first served basis.

Resources - Lockers

Lockers

All NEOMED students have access to a campus locker. Locker keys are given out on a first-come, first-served basis. Following submission of the Locker Request Form, students receive a notification listing their assigned locker number, when/where they may pick up their key, and the date by which this key must be returned to the Office of Student Services. Students who lose or do not return their key will be charged a $50 fee.

NOTE: There are also open, unassigned lockers near Liebelt Hall (E-10) that are available to all students who wish to use one, however, students must provide their own locks.

For assistance or more information, students should contact the Office of Student Services at 330-325-6735 or email studentservices@neomed.edu.

Resources - Marketing and Communications

Marketing and Communications

Resources for Students

The Office of Marketing and Communications provides a number of communication and outreach services and tools for students at NEOMED. These include:

- The Pulse website and daily campus e-newsletter
- University website calendar
- Information boards around campus
- Digital monitors
- Strategy and design consultation/services
- Social media services, promotion and University-affiliated account creation

Student Information for News Releases

The Office of Marketing and Communications uses basic student record information in news releases for various student activities and accomplishments. Data typically includes student name, course of study and year at NEOMED, high school, undergraduate institution (if applicable), and hometown city, state and zip code. Granting of such information is strictly voluntary on the part of the student. As a result, students may opt out by requesting omission to the Office of the Registrar. When a student elects to opt out of such communications, please know that the Office of Marketing and Communications is unable to issue news releases that contain the student's name and their accomplishments to the students' local and hometown news outlets.

Resources - Sequoia Wellness Center

Sequoia Wellness Center

Sequoia Wellness is a fitness facility unlike traditional gyms; it also offers overall wellness programming inclusive of wellness education, nutrition services and cooking demonstrations. While open to the larger community on a paid membership basis, professional degree students receive automatic membership to Sequoia as part of their student fees.

* The 25,000-square-foot facility houses the following:

- Spacious fitness floor with state-of-the-art equipment
- Lap and warm-water therapy pools
- Multi-use gymnasium with three basketball hoops
- Physical therapy area
- Free weight area
- Steam rooms, saunas, and whirlpool
- Group exercise classrooms

- Rock climbing wall
- Activity-based babysitting

For more information about Sequoia Wellness, visit www.sequoia-wellness.com/ or call 330.578.9030.

*Students who take a leave of absence or who voluntarily withdraw from the University in good standing are subject to deactivation of their student Sequoia membership based on the date the semester ends for the academic semester for which they were last officially enrolled. Students who start the fall semester but then become dis-enrolled within that same semester will maintain their Sequoia membership through the conclusion of the fall term, and students who start the spring semester but then later become dis-enrolled within that same semester will maintain their Sequoia membership through the entire summer. In instances where a student is dismissed or suspended from NEOMED, their Sequoia membership will be cancelled based on the effective date of the University action.

Resources - Student Advocacy

Student Advocacy

The Dean of Students, along with college-specific designees, work to provide leadership and coordination for all efforts pertaining to student services. These staff members serve as the students' chief representatives to the faculty and administration, and as the faculty advisers to elected student committees. Advocating for students entails maintaining a student-centered approach to decision-making, creating procedures and policies that provide consistent and equitable treatment of students, and ensuring student rights, including freedom of expression, are protected while holding students responsible for actions that may be inconsistent with the professional expectations and policies of the institution. The staff are available to students to discuss concerns, complaints, allegations of hazing, bias or mistreatment, and to provide support, information, referral and advocacy.

Resources - Student Affairs - College of Medicine

Student Affairs – College of Medicine

The Student Affairs team for the College of Medicine includes the Associate Dean for Admissions and Student Affairs, Assistant Dean of Student Affairs, Director of Student Affairs, Assistant Dean of Student Support and Enrichment, and multiple Academic & Career Advisors. The Student Affairs team provides support and guidance to students throughout their medical school experience, with the goal of helping each student achieve optimal professional growth and development. The Student Affairs Team also serves students through a wide variety of activities, including:

- Participating in the development and administration of policies that impact the quality of life and campus resources available to medical students.
- Providing longitudinal academic monitoring with assistance in garnering specific support as needed.
- Overseeing the career development and residency match process
- Assisting with planning and implementation of extra-curricular enrichment opportunities, including career exploration, research, and service experiences.
- Preparing dean's letters of recommendation on behalf of medical students for research and other professional development applications.
- Serving as the College of Medicine advisors for the NEOMED Student Council, Student Conduct Council, the NEOMED Virtuous Healer Honor Society and the NEOMED Zeta chapter of Alpha Omega Alpha.
- Assisting with development and implementation of programs and activities to foster student leadership skills.
- Serving as a student advocate for the Committee on Academic and Professional Progress (CAPP)

Resources - Student Development and Leadership

Student Development and Leadership

It is vital that NEOMED students have advanced opportunities to develop into citizen leaders with a global perspective on healthcare issues. The Office of Student Services strives to meet the needs of students by creating and communicating a welcoming environment that accepts differences, promotes belonging and respect for others, and creates opportunities for students to learn about themselves, and from each other. NEOMED students develop into transformational leaders through their participation in campus community-building activities, leadership development, student organization involvement, and community service opportunities.

The Office of Student Services coordinates several events that bring the university community together, celebrate traditions, promote student involvement, and educate students outside of the classroom. They also support the efforts of peer-elected councils and committees, along with more than 100 student organizations. These experiences represent the vast personal, social, professional, and career interests of our entire student body.

Additionally, the Office of Student Services manages the online student resource titled, "Navigate NEOMED" and all in-person Orientations in an effort to assist learners with adaptation to their new learning environment, understanding the expectations of NEOMED, and connecting with their peers and faculty.

Resources - Student Life

Student Life

Student Housing

The Village, a residential community located on the NEOMED Rootstown campus, is independently owned, and provides students the opportunity to engage in apartment-style living on campus. More information is available online at http://www.thevillageatneomed.com/.

NEOMED Student Council & Student Organizations

NEOMED Student Council (NSC)

Students elect representatives to serve on the NEOMED Student Council (NSC), which oversees funding for all student organizations and provides advocacy and support for student concerns and needs. This council of elected student representatives works to support and advocate on behalf of the student body. They oversee the allocation and approval of an amount of student fee dollars used for student activities, professional development, and extra-curricular enrichment on campus to create transformational leaders. This includes supporting student organizations with funding for campus-wide events and individual students seeking funding to present their research at events.

Student Organizations

The diverse interests of the NEOMED student body are reflected in the over 100 clubs and student organizations that are supported on campus. Students find and create opportunities to pursue their passions and explore new ones. This includes membership in campus chapters of national professional organizations, specialty interest groups, social and recreational clubs, and fellowship within many religious groups.

All student organizations are required to complete at least one community service project annually. In addition, all registered NEOMED student organizations provide support for professional development and presentations, guest lectures and educational activities, social and recreational activities, and a myriad of career-minded development programs.

Students also may serve as leaders on other University councils and committees. Overall, the University continues to educate students on leadership development and the importance of having a role on the NEOMED campus and in the community.

All active student organizations can be reviewed here in CampusGroups.

Resources - Student Research Fellowship Program

Student Research Fellowship Program

The fellowship projects provide research experiences for NEOMED's medical, pharmacy, dental, and graduate students, in a variety of disciplines. The Student Research Fellowship Program is a mentored research program designed to provide intensive training in research procedures and principles on projects in basic and clinical disciplines; to enhance students' research horizons; and to develop scientific presentation and writing skills. The program is administered by the Office of Research and Sponsored Programs (ORSP).

A project catalog, which includes a description of all approved projects and application materials, is available on the NEOMED website. Students may only be selected for one fellowship per year and must be able to meet the time commitment of the fellowship, which is 8-weeks or 320 hours. Students who are selected for a Student Research Fellowship must complete all applicable training to participate in a project. Students must also be compliant with the immunization program. Students with summer course remediation may have to withdraw from a Student Research Fellowship and are required to meet with the Dean of Students to discuss the situation.

Resources - University Communication Venues

University Communication Venues

Banner Self-Service

Self-Service is the web-based or online service component of our primary student administrative software system. Self-Service provides current students, faculty, administrators, and other members of NEOMED's academic learning community with anytime, anywhere access to student information housed within Self-Service. Information available via Self-Service includes course registration information, unofficial grade reports, class rosters, etc.

Learning Management System

Canvas is NEOMED's primary learning management system for curriculum information and supplemental instruction to students. Canvas is an integral part of the multimedia learning process.

NEOMED Website

The goal of the NEOMED website, www.neomed.edu, is to inform the public about NEOMED and to provide NEOMED constituents with valuable resources and information. The NEOMED website serves as the portal for many other applications, such as Canvas, Banner Self-Service, etc.

Prospective Student Portal

Prospective students interested in attending NEOMED should complete an inquiry form by visiting https://inquiry-neomed-university.outcomescrm.com/#/inquiry.

The Pulse

The Pulse is an electronic newsletter shared daily with all members of the University community via email. Its website and newsletter are managed by Marketing and Communications and provide news and information regarding events, achievements, news briefs.

Web Admit

Prospective students that wish to become candidates for admission apply through NEOMED's Web Admit service. Web Admit also serves the role of NEOMED's common application service for transcripts and other required credential certification and review as determined by each program

Resources - University Council on Exceptional Experience

University Council on Exceptional Experience (UCEE)

The University Council on Exceptional Experience (UCEE) serves as an advisory body to the President of the University. The Council supports NEOMED's commitment to cultivating a culture of excellence that promotes academic and professional success for all faculty, staff, and students. UCEE fosters an environment grounded in mutual respect, opportunity, and fairness—one in which every individual is supported in reaching their highest potential.

The Council recommends annual goals and metrics aligned with the University's mission and strategic plan. The Council encourages initiatives that enhance engagement, achievement, collaboration, professional development, and personal well-being.

Resources - University Library

University Library

The NEOMED Library is an active partner in the education, research and information needs of the students, faculty and staff of the Colleges. The library provides direct access to a collection of more than 190,000 e-books, 30,000 e-journals, 30 million articles, and 3,700 print volumes housed in a 30,000-square foot facility that is open 24 hours per day, 7 days per week for NEOMED keycard holders. The Aneal Mohan Kohli Academic and Information Technology Center (the Kohli Center) includes a large, group study area featuring 26 rooms; wireless access; 20 public computer stations; informal seating areas and the Read Distance Education Center (RDEC). The RDEC is a multimedia classroom with 40 computer workstations; 2 smartboards; an instructor's computer; remote classroom and videoconferencing capabilities. All library computer workstations have Microsoft Office products, full internet, and e-mail access.

The library group-study rooms offer a variety of learning and discovery tools. All group study rooms are equipped with LCD screens and PC's for group collaboration. Two group study rooms are outfitted with white board tables that are conducive to brainstorming sessions. Two additional rooms are outfitted with Alexa, to create an optimal workspace

There are opportunities for faculty, preceptors, staff, and students to learn effective and efficient use of library collections and other educational resources through 1-on-1 consultations, library workshops and course-integrated library instruction. Additional library services include reference and research assistance, document delivery, interlibrary loan, and course reserves. Access to library resources is available onsite and remotely at NEOMED Library | Aneal Mohan Kohli Academic & Information Technology Center.

The library is a member of the Ohio Library and Information Network (OhioLINK), a consortium of 118-member libraries. Through OhioLINK, NEOMED students, faculty, staff and associated hospital clientele have access to the statewide collection of more than 38 million items that can be requested from partner libraries throughout the state, essentially allowing NEOMED students to request available print and electronic materials at other member institutions at no cost. Through OhioLINK, students can also utilize SearchOhio, and request materials from many Ohio public libraries.

There are photocopiers, scanners, and printers available for student use. Students use their email credentials for printing and copying.

Nearly all digital collections provided by the library are available for unlimited, 24/7 access, and most print books in the library may be checked out for an initial period of 21 days. Items may be renewed if there are no holds on the item. Students can renew items online or by calling ext. 6600. Reserve items check out for a period of three hours and cannot be renewed. To help provide equal access to everyone, overdue fines are charged and may vary by material type. There is a collection of board review books. The books may be checked out for 21 days and renewed if there are no holds on them.

The reference librarian and library support staff will help students find relevant resources for their information needs. Literature search assistance is available and one-to-one database instruction can be provided upon request. Students may request instruction on various library resources. Librarians and library staff provide instruction for individuals, in small groups or within the curriculum. Training sessions for advanced searching techniques within electronic databases or other resources can also be provided.

Group study rooms are available for student use. Groups have priority over individuals for use of these rooms. The study rooms are available on a first-come, first-served basis. These rooms cannot be reserved by students.

Library and 24/7 Study Area - "Standards of Use"

• Please keep the Quiet area QUIET, soft conversation ONLY.

• Items left UNATTENDED will be moved to the library circulation desk or the security office.

• When you leave, remove all trash, and CLEAN all spills.

• Supplies must REMAIN in the study rooms.

• ALL windows must remain uncovered.

• Study room furnishings must REMAIN in the study rooms.

• Report damage to the rooms or furnishings to the library staff at: library@neomed.edu.

• Violation of these guidelines may be referred to the Office of Student Services as a Professionalism Concern Note (PCN).

Affiliate – Hospital Library Guidelines

The following guidelines refer to proper behavior in the University's consortium libraries. Because these libraries are used not only by students, but also by faculty, staff, and the public, it is imperative that everyone follows a few simple guidelines to ensure equal and enjoyable access to library materials.

The lists found below are not all inclusive. Please see individual library policy for additional rules and regulations that may apply.

General library rules:

• No food or drinks in the libraries (see library policy for exceptions, such as the use of beverages with lids).

• No viewing of materials that others might find offensive, and no downloading of these materials for public display (i.e., wallpaper, screen savers, etc.).

• No moving of hardware or changing computer configurations so that certain individuals have primary use of computer programs or others are locked out.

• No saving personal files on the hard drive (i.e., games, music files, etc.).

• Students must wear hospital appropriate attire, their white coats and ID badges while in the hospital libraries.

• Please print responsibly (i.e., do not use printers for multiple copy duplication) and use hospital copiers for hospital-associated duplication only.

Points of etiquette that facilitate use of library resources:

- Try to use the library at the hospital in which you are doing a clinical rotation. For example, do not make a special trip to use the computers at AGMC when you are doing a rotation at Summa.
- Do not use library study rooms as lockers for storing bags, coats, etc. while you leave the library to take care of other business.
- Limit your recreational use of the library (e.g., emailing, surfing the net, etc.) to those hours when the library is not busy.
- Please return all borrowed materials in a timely manner.

Observation of these guidelines will help ensure that everyone is able to take advantage of library resources. Library staff and administrators want to help you, and they welcome any suggestions you might have to improve their facilities. Please see your NSC representative, clinical dean, or preceptors if you have any questions or concerns about library use.

For a complete description of library services, current awareness information and library resources and guides, please visit NEOMED Library | Aneal Mohan Kohli Academic & Information Technology Center.

Conduct/Professionalism - Alcohol & Substance Abuse

Alcohol and Substance Abuse

NEOMED condemns the abuse of alcoholic beverages. All members of the NEOMED community are responsible for making decisions about their actions within the context of Ohio law, the University regulations, and the highest standards of professional conduct. In addition, awareness of the rights of others within our community who may choose not to use alcoholic beverages must be honored.

The University has defined guidelines that will ensure that any use of alcohol is responsible and consistent with the laws and regulations of the State of Ohio. All NEOMED students are expected to be familiar with and to respect the laws of the State and Federal government regarding the use of intoxicating and other mood- or consciousness-altering substances. Possession or use of many of these substances is illegal. A felony conviction of a student may preclude licensure to practice and could subject a student to dismissal from NEOMED and referral for prosecution if appropriate.

Both for reasons of personal well-being and because of the nature of their profession, students are expected to show restraint and responsibility in their use of consciousness-altering substances. In cases where the University becomes aware that a student has developed a problem relating to alcohol or other substance abuse, the student will be required to appear before the Student Conduct Officer to determine if it is necessary for the student to leave studies, pause patient-care activities, and enroll in an appropriate rehabilitation program. The normal due process and appeal procedures will apply to such a student. Failure on the part of the student to successfully complete a mandated rehabilitation program will lead to dismissal from NEOMED. The University's first concern in these matters is to aid the student in overcoming problems with substance abuse. The nature of the profession, however, requires that students who fail to overcome such problems not be allowed to continue preparation for the practice of medicine, pharmacy, or dentistry.

Alcohol Use for Student Events

As a health professions university, NEOMED is committed to educating and encouraging the members of its community to make healthy decisions regarding their behavior. NEOMED prohibits the use of alcoholic beverages at all student organization sponsored events, both on-campus and off-campus, and at all events funded by NEOMED Student Council (NSC). Exceptions to this policy may be made for the annual Aesculapius Charity Ball, the annual Commencement Ball and the Backyard Bash in accordance with this policy. The approved use of alcohol at these events is a privilege, not a right. Abuse of this privilege may result in alcohol not being allowed at these approved events in the future. All student organization sponsored events and NSC funded events must abide by this policy.

Guidelines

The following steps and guidelines must be followed to allow alcohol to be served at the Charity Ball, Commencement Ball or Backyard Bash. Failure to follow the procedures will not cancel the event but will cancel the privilege of using alcohol at the event.

1. Person(s) planning the event will read the Alcohol Use guidelines thoroughly.
2. Alcohol will be served via a cash bar. No university or student organization funds will be used to pay for alcohol.
3. Non-alcoholic beverages will be in constant supply and easily accessible throughout the event.
4. A variety of foods will be made available, including at least one high protein item (e.g.: cheese, meat, etc.), which slows the absorption of alcohol.
5. Alcohol will not be mentioned in any advertisements for the event.
6. Attendees must bring a valid photo identification card, with date of birth, to gain entry to the event.
7. The person(s) planning the event will ensure identifications are checked at the entrance of the event. Those of legal drinking age will be given a wrist band and can only purchase alcohol at the event's cash bar.
8. The person(s) and organization planning the event are primarily responsible for monitoring the behavior of attendees, including confronting inappropriate behavior (e.g., underage drinking, obtaining alcohol for underage drinkers, obvious intoxication, etc.). Failure to do so will lead to the loss of privileges for hosting an event with alcohol, in addition to other possible sanctions.
9. All events will include a starting and ending time. Alcohol will cease to be served one hour prior to the end of the event. Non-alcoholic beverages, food and entertainment will be available until the end of the event.
10. At least two members of the NEOMED faculty or staff must attend the event and be present throughout the event's entirety.
11. Anyone in attendance at an event with alcohol has the obligation to confront inappropriate behavior, either directly or by contacting the designated faculty or staff advisors assigned to the event.
12. The person(s) and/or organization planning the event will assume all extra costs that may be incurred by hiring additional law enforcement personnel, cleaning personnel, or for any damage that are beyond the usual expected wear and tear from an event.
13. Alcoholic beverages may be consumed only in the areas designated for the event.
14. Consistent with Ohio state law, no person will consume or have an open container of alcohol in a motor vehicle (moving or parked) while on the premises of the event.
15. No person will bring his/her own alcohol to the event for any reason.
16. Alcohol will not be served to individuals who appear to be intoxicated.
17. The person(s) planning the event will provide designated drivers. Designated drivers:

i. Agree to not consume any alcohol during the event,

ii. Are publicly identified as designated drivers and will use their own cars,

iii. Will be present for the entire event, and

iv. Agree to drive anyone who appears to be intoxicated to the nearest appropriate location.

Smoking/Tobacco

The Tobacco-Free Policy can also be found on the Policy Portal on the NEOMED website.

Smoking or the use of other tobacco products is prohibited anywhere on the NEOMED campus. The campus-wide tobacco ban includes the inside and outside of all buildings, any parking areas, all vehicles on campus and any personal residence.

Consistent with this policy, University groups or members of the public that schedule indoor or outdoor spaces for approved functions on the NEOMED campus are prohibited from allowing smoking or using tobacco at their function. People who violate the tobacco-free environment established by this policy will be referred to the following reporting authorities for further action:

1. Students will be reported to the Dean of Students for handling in accordance with this policy.
2. Faculty will be reported to the Office of the Faculty Member's Dean for handling in accordance with the University Faculty Code of Professional Conduct found in Appendix C of the Faculty Bylaws.
3. Employees will be reported to Human Resources for handling in accordance with the Employee Handbook.
4. Visitors and guests will be reported to university police where they will be escorted off campus property should they continue to use tobacco on the NEOMED campus in violation of this policy.

Violations

Students violating this policy may be referred to the Committee on Academic and Professional Progress (CAPP) or the Conduct process for appropriate disciplinary action. Student organizations violating this policy may lose the privilege of sponsoring an event, and/or funding approval from the NEOMED Student Council. The NEOMED Student Council may refer organization violations to the Student Conduct Officer. University police may request disorderly individuals to leave the event.

Conduct/Professionalism - Attendance Requirements

Attendance Requirements

Attendance requirements vary for different components and sessions of the curriculum. Attendance is at the discretion of each course director, and attendance policies for each specific course will be included in the syllabus materials. In some course activities, participation may be a factor in determining the grade. Respect for faculty, as shown in part by punctuality and attendance, is an important component of professionalism.

Students unable to attend a mandatory class, or session, due to illness or an emergency are to contact the course director and complete a college/class-specific University Student Absence Form. Failure to notify the course director as soon as possible may affect the course grade. In cases where a student is unable to attend a scheduled session of a course, the student is responsible for all material covered during his/her absence.

Concerns about attendance or tardiness are a professionalism issue, in which case students will be directed to meet with the course director and/or the college-specific designee. Concerns regarding professionalism may be referred to the Committee on Academic and Professional Progress (CAPP).

Students who are ill, or experience an emergency, when an examination is scheduled must contact the course director in advance of missing the examination or as soon as possible. The course director will then determine if the absence will be excused and will work with Testing Services to determine if/when the examination will be rescheduled.

Absences for Religious Observation

Each academic semester, students are provided the opportunity to submit requests to be excused from academic requirements or examinations based on sincerely held religious beliefs. Students may be excused from class for up to three (3) consecutive days per academic semester for reasons of faith or religious or spiritual activities with alternative accommodation provided for missed academic requirements. Requests must be submitted no more than fourteen (14) calendar days after the first date of instruction of the semester using the University Student Absence Form.

Review the full Accommodations for Student Religious Observations Policy and a list of major religious holidays and festivals on the Policy Portal.

Absences for College of Medicine Clinical Experiences

Attendance is mandatory for all clinical experiences that occur during M1- M4. Please refer to the COM's policy, Attendance at instructional sessions for additional information.

Absences in the College of Pharmacy

Students may be granted up to five (5) days of absence time, during each year of the P1-P3 years to non-campus based professional development activities that are intended to enhance the student's professional career. Student specific exceptions to this policy will be approved by the Vice Dean or their designee. Attendance is at the discretion of each course director and attendance policies for each specific course will be included in the syllabus materials. Unless there is an emergency situation, students should submit a University Student Absence Form and discuss an alternative plan with the course director before the absence occurs.

The decision about whether a professional development activity is eligible for approved absence is determined by the course director(s). If there is disagreement between course directors, the Vice Dean will make the final decision. Based on the course requirements and schedule, absences may or may not be approved. No travels plans should be made until final approval by the course director(s) has been granted for any absence. Students who obtain absence approval but do not attend the professional meeting will be deemed to be in violation of the Expectations of Student Conduct and Professional Commitment. Students requesting exceptions to this policy must do so through the College of Pharmacy's Vice Dean or their designee.

Any absences that are longer than 5 consecutive days will adhere to filling out the request for Leave of Absence form.

Time Off During IPPE Rotations

For experiential rotations, time off is to be taken only with the PRIOR approval of the preceptor at the site. Students must document any absences from an experiential rotation within CORE ELMS. Failure to document absences can represent unprofessional conduct and can be grounds for rotation failure. This is to be completed a minimum of FIVE (5) business days before a planned absence. Completed absence forms must be sent to the director of Experiential Education for review. Students should complete the required number of hours for the learning experience and must make up any missed experiential hours.

Time Off During P4 (APPE) Rotations

Due to the intensity of each rotation and the need to achieve rotation objectives, it is advised that students avoid taking time away from their rotations. However, it is recognized that students may need time off from rotations for professional or personal reasons. Students should complete the required number of hours for the learning experience and must make up any missed experiential hours. The following are the approved guidelines regarding absence from rotations:

• Approvable absences from rotations are those which the preceptor deems important to the professional development of the student (e.g., interviews, attendance to a professional meeting) or for a personal illness/wellness or a family related emergency. Absences related to on campus activities such as college committees are approvable at the discretion of the preceptor. Time off for personal vacations, weddings, honeymoons, family reunions, etc. should not be planned during rotations and therefore will not be approved by the preceptor.

• Students will be allowed no more than NINE (9) days of approved absences -- including personal illness, wellness, or emergencies -- from their assigned rotations over the entire nine-month APPE program. The nine days are not meant to be an entitlement and cannot be used or saved for an extended break from rotations including personal or family vacations. Each student is responsible for assuring that the maximum number of days away from the nine-month program is not exceeded. Exceeding the maximum number of days can result in a student not successfully completing the requirements of the APPE program necessary for graduation.

• Students will be allowed no more than TWO (2) days of approved absences during any one month. Exceptions to this requirement, as in the case of interviews can occur only if approved by the preceptor and director of Experiential Education prior to scheduling an interview. If additional absences are allowed the preceptor may require the student to work extra time at the site or complete additional activities to ensure achievement of rotation objectives.

• Students with approved absences are still expected to complete all rotation objectives or responsibilities and must make accommodations to do so. The preceptor may require the student to make up any absence time from the rotation.

• Time off is to be taken only with the PRIOR approval of the preceptor at the site. Students must document any absences from an experiential rotation within CORE ELMS. This is to be completed a minimum of FIVE (5) business days before a planned absence. Completed absence forms must be sent to the director of Experiential Education for review.

• Students are granted specific holidays off from rotation (refer to the P4 APPE Academic Schedule for a list of approved student holidays). Preceptors should allow the students to be off for these approved holidays.

• In the case of personal illness or emergency the student is required to notify the preceptor or their designee as soon as possible prior to the scheduled arrival time to the site. The method of notification (e.g., email, phone call) should be predetermined by the preceptor and communicated to the student at the start of the rotation. If the student is absent for more than TWO (2) days from the rotation due to illness or emergency, the student must notify the director of Experiential Education. The Request Form must be completed upon the student's return to the rotation.

• Time off for religious reasons is allowed in accordance with NEOMED policy. Students requesting time off for this reason are required to receive approval from the Vice Dean or their designee before the start of the fall and spring semester prior to the start of the time off. The student is required to inform the preceptor of these approved absences before beginning the rotation. Students will be required to make up any missed time resulting from these types of absences at the discretion of the preceptor.

• Unexcused absences include any failure to be present on a scheduled rotation day(s), failure to notify the preceptor of an illness or emergency in a reasonable period of time, or any absence that was not approved by the preceptor. Unexcused absences will not be tolerated and may jeopardize the student's successful completion of the program. Any unexcused absence may result in failure of the rotation in which it occurred. Preceptors should immediately notify the director of Experiential Education if unexcused absences occur. The Office of Experiential Education will contact any student who has an unexcused absence.

• Requests for time off between rotations for travel to or from a distant rotation are to be arranged only within that rotation at the discretion of the preceptor. Generally, no more than ONE (1) business day should be taken for travel.

• Any exceptions to the above policy require approval of the director of Experiential Education in cooperation with the preceptor.

Exceptional Circumstances

The Vice Dean of Pharmacy or their designee may approve absences for circumstances that conflict with the above stated policy but are deemed in the best interest of the student.

A formal, written request, including the rationale for the absence, must be submitted to the Vice Dean of Pharmacy or their designee as much in advance of the anticipated absence as possible. On the rare occasion that approval is not sought in advance of the absence, a written request must be submitted within two (2) calendar days of returning to class.

No more than five (5) days will be approved for exceptional circumstances during an academic year.

Participation in Learning and Patient Care Activities – Student Responsibilities

Under certain circumstances, students have the right to request exemption from participating in certain educational and/or patient care activities for religious/ethical reasons while continuing to meet their academic requirements. This exclusion from participation does not excuse the student from responsibility for understanding the basic science, clinical methods, the rationale for, or the counseling related to these procedures.

All patients, without regard to diagnosis, or any other classification, are entitled to comprehensive and individualized quality care. A student may not refuse to participate in the care or treatment of a patient based solely on the patient's diagnosis (e.g., HIV/AIDS or other sexually transmitted diseases, tuberculosis, or other contagious diseases), behavior, or personal characteristics. Such a refusal may constitute a violation of the Student Honor Code. Such violation may result in adverse academic action, including dismissal. An exception may be made when a student has been directed, in writing, by a personal physician to avoid patients with certain diagnoses.

The University will allow students to decline participation in certain aspects of patient care that conflict with their ethical or religious beliefs if the following conditions are met.

1. The student must initiate a request for permission to decline participation in certain aspects of clinical skills training. The student must state the reason for the request, the activities and date(s) missed, and the make-up plan. The student must complete a separate absence request for each course that will be missed.
2. If the student is in an unexpected situation and is thus unable to request the permission to decline participation prior, the student can opt out of the experience and is required to discuss the circumstances, situation and the student's rationale with the course/clerkship director/preceptor immediately following. This should be documented using an Absence Notification Form.
3. All related documentation is maintained in the student's educational record.

Conduct/Professionalism - Student Attire

Student Attire

Students are expected to dress appropriately in all curricular situations. Students should keep in mind that they represent the NEOMED student body and strive to dress in a manner that reflects positively on themselves and the University.

On the Rootstown Campus

Students may dress casually; however, for safety reasons during laboratory activities, students must wear closed-toed shoes and shoes/boots with heels more than 2" are not permitted. Bitonte College of Dentistry students are required to wear college-designated scrubs and closed-toe shoes to all educational activities (classroom, simulation lab, Wasson Center and all clinical activities). Bitonte College of Dentistry students may wear a white or black long sleeve shirt under their college-designated scrubs.

Strongly scented fragrances and heavy cosmetics are not permitted out of consideration to others who may be allergic or otherwise sensitive. Students are expected to maintain basic standards of personal hygiene.

In Clinical Settings

When interacting with patients in any way, the guidelines for attire in clinical settings must be followed. Students should check with course directors and/or clerkship directors/preceptors in the clinical settings for specific requirements since courses, clerkships/rotations, consortium hospitals and pharmacies may have different expectations.

In the Wasson Center

For activities occurring in the Wasson Center, including simulated patient activities, the guidelines for attire in clinical settings are to be followed to maintain a safe and professional learning lab. Professional attire is expected. Students must wear close-toed shoes. Students must wear their white coats, professional college patches, and ID badges.

Strongly scented fragrances and cosmetics are not permitted out of consideration to others who may be allergic or otherwise sensitive. Students are expected to maintain basic standards of personal hygiene. Hair longer than shoulder-length should be properly pulled back so as not to be distracting to patient care and for safety reasons. Fingernails should be properly maintained. Bracelets and earrings other than studs are not permitted as they may interfere with providing optimal and safe patient care and clinical procedures.

Failure to maintain any of the standards for attire outlined above or specified with a course syllabus or site expectations will be dealt with in a manner similar to other issues regarding inappropriate professional behavior.

Conduct/Professionalism - Faculty-Student Relationships

Faculty-Student Relationships

A faculty member is prohibited from having supervisory responsibility during a graded experience over a student who is the faculty member's relative or a student with whom the faculty member has a close personal relationship or a heath care relationship. The Colleges must avoid a conflict of interest in securing objective assessment of performance outcomes.

Faculty is defined as instructional faculty, clinical faculty, research faculty, postdoctoral fellows, graduate student instructors, and graduate student research assistants. Supervisory responsibility includes, but is not limited to, teaching, research, advising, grading, or awards. This supervision can occur on or off campus, in curricular, cocurricular, or extra-curricular activities. Graded experience is defined as a course, clerkship, or elective. A relative is defined as child, stepchild, grandparent, grandchild, brother, stepbrother, sister, stepsister, mother, stepmother, father, stepfather, spouse/partner, uncle, aunt, cousin or in-laws, and other close personal relationships.

Faculty-Student Relationships Requiring Disclosure

If a student is related to a faculty member, the student must disclose the relationship to the college-specific student support staff and/or a course director, as per individual course policy and follow the disclosure policy. Disclosure must be prior to the start of a graded experience. Should the student fail to disclose the relationship until the graded experience has begun and it is discovered, the student will be removed from the educational pursuit and placed under other supervision if possible. (Removal may result in failure to meet graduation requirements on time.) Students failing to disclose the relationship prior to the start of a graded experience are subject to meeting with CAPP.

Students may not receive or be referred to psychiatric/psychological counseling or care for other sensitive health services or any health service from any health service provider involved in the academic assessment or promotion of the NEOMED student receiving those services.

College of Medicine students assigned to a clinical site where a treating health care professional with whom the student has an existing or previous relationship, will be required to report this relationship to the Senior Director of Clinical Experiential Learning and/or a course director by accessing and submitting a Conflict of Interest form and will be required to change to another site. More information is available on the COM conflict of interest policy.

Conduct/Professionalism - Student Conduct & Professional Behavior

Student Conduct and Professional Behavior

Students at NEOMED are expected to maintain the highest level of conduct and professionalism in their actions in and out of the classroom, and in all activities associated with the institution. In addition, students in professional education are expected to develop and maintain the ethical and moral values consistent with all social behavior, but especially those values that are integral to working in the fields of healthcare. Honesty and integrity are central to the University's mission and are expected to guide students' behavior both during their education and after its completion. Lack of professional behavior, including unethical behavior of any sort, is contrary to the fundamental principles of the profession and represents a deficiency on the part of the student. Such a deficiency may result in adverse action, including dismissal.

The student must possess personal integrity and maintain it throughout his or her practice. This responsibility encompasses all public, academic, and professional activities, particularly with the handling of privileged information derived from patients and hospital records. Each student will demonstrate behavior that, by its nature and interpretation, is considered appropriate for a healthcare professional. Such appropriate behavior includes, but is not limited to, the demonstration of good judgment, personal insight and accountability, responsibility to patients, ability to recognize personal limitations, and ability to function under pressure.

All students enrolled in the University are expected to abide by the Administration of Student Conduct policy and the Expectations of Student Conduct and Professional Commitment. Students annually renew their commitment to the principles of this code via NavigateNEOMED.

Expectations of Student Conduct and Professional Commitment (Student Honor Code)

Students are expected to read, understand, acknowledge (via NavigateNEOMED), and abide by the "Expectations of Student Conduct and Professional Commitment" while enrolled and involved in NEOMED, its partner institutions and hospitals, and NEOMED-sponsored activities. Reports of misconduct may be filed via the Student Conduct/Professionalism Referral Form, Testing Irregularity form, Violations of Law form, or other written referral. Upon receipt of allegations, the Conduct Officer will work in consultation with the designee from the student's respective college to make the initial determination as to whether the matters alleged in the complaint constitute a conduct concern to be resolved through the Student Conduct process, or a professionalism concern to be resolved by the CAPP or some other mechanism. Student conduct or professional behavior concerns should be reported by faculty, staff, or students using the "Student Conduct/Professionalism Referral Form" form available online through NEOMED Student Services.

I. Student Conduct Code

The Student Conduct Code definitions apply to all students currently enrolled at NEOMED. Students are responsible for knowing, understanding, and abiding by all provisions outlined within the University Student Conduct Code and its definitions listed here. Violations of the Student Conduct Code may result in disciplinary action in accordance with the Administration of Student Conduct policy and the colleges' Committees on Academic and Professional Progress (CAPP) procedures. The current Student Conduct Code is available in the NEOMED COMPASS.

Definitions of Student Misconduct:

A. Academic misconduct, including, but not limited to:

1. Cheating (misrepresentation of knowledge, skills, or efforts in assignments, exams, or other assessments, use of unauthorized assistance, submitting substantially the same work that has been submitted for another course, use of a prohibited source, inappropriate acquisition or distribution of academic materials, engaging in any behavior specifically prohibited by a faculty member, unauthorized use of third party tools including Artificial Intelligence (AI) tools for any graded assessments or activities that generate work that is not your own, including in-person and remote classroom and testing environments.)

2. Plagiarism (intentional or unintentional representation of ideas or works of another author or AI tools as a student's own without properly citing the source or the use of materials prepared by another person; violations of copyright laws).

3. Falsifying or manufacturing scientific or educational data.

4. Misrepresentation of oneself or of another in an academic setting including, but not limited to, the use or possession of another's clicker, sharing of computer password, signing in for another student, taking exams for another student, or misrepresenting your actual attendance.

5. Unapproved collaboration on academic work, assessments, assignments or when answering clicker questions. Photographing, sharing, or posting clicker questions, tests, quizzes, or any graded assessments is not permitted. Compiling test, quiz or clicker questions or sharing these questions with others is considered academic misconduct.

6. Disruptive or disrespectful in-person or virtual classroom behavior that interferes with, or disrupts, the teaching, learning, or testing processes; violates the rules of the specific in-person or virtual classroom or remote testing. This may include unmuting yourself when your instructor has muted you, engaging in conduct or behavior toward classmates, staff, patients, or instructors that a reasonable person would consider disrespectful, or inappropriately using discussion forums or synchronous chat rooms.

B. Behavioral misconduct, including, but not limited to:

1. Willful failure to comply with directions of University officials, faculty members, law enforcement officers, or emergency personnel.

2. Behavior that disrupts or obstructs teaching, research, administration, disciplinary proceedings, or other University activities.

3. Willfully, recklessly, or knowingly engaging in conduct that violates any University policy, rules, or regulation (for more information go to the NEOMED COMPASS).

4. Failure to report any and all infractions of the law to the University, including pending criminal charges, loss of driver's license, and the like. This includes the failure to comply with University policies on Criminal Background Checks and Toxicology Screenings. Minor traffic citations need not be reported.

5. Failure to report violations of the Student Conduct Code.

6. Knowingly furnishing false or misleading information to University officials including but not limited to forgery, alteration, or misuse of any University document, record, or I.D.

7. Abuse of computer facilities and resources, including but not limited to unauthorized entry into a file; unauthorized transfer of a file; use of another individual's identification or password; use of computing facilities and resources to interfere with the work of another student, faculty member, or University official; sending obscene or abusive messages; or interfering with normal operation of the University computing system.

8. Unauthorized use of an electronic or other device to make or disseminate an audio or video recording of any person without their prior knowledge or consent.

9. Use of any personal, electronic device during academic sessions for purposes other than current content learning. All electronic devices are to be silenced during educational sessions.

10. Disclosure of confidential or private patient information in an unethical or inappropriate manner.

11. Photography or video recording of any human donor specimens is strictly prohibited.

12. Improper use of the internet or any form of electronic media or technology, particularly using the University email system, that includes bullying toward another or posting indecent or derogatory photographs, links, or comments directed toward another, that has the effect of stripping one's dignity or causing reasonable fear of physical or emotional harm.

C. Criminal misconduct, including the attempt or completion of any of the following offense, irrespective of whether the matter is prosecuted:

1. Engaging in or threatening physical abuse, verbal abuse, threats, intimidation, harassment, coercion, and/or other conduct which intentionally or recklessly threatens or endangers the health, welfare, or safety of any person.

2. Sexual misconduct including, but not limited to, sexual assault, stalking, dating violence, domestic violence or any other non-consensual sexual contact, unwelcome sexual advances, or requests for sexual favors. (Title IX)

3. Hazing including but not limited to, ingesting food, drinks, alcohol, drugs or other substances; acts of a physical nature; acts that adversely affect the mental health of the individual; acts that a reasonable person would view to be frightening, humiliating, intimidating or deceptive, acts that endanger or have the potential to endanger a student's academic or personal life; lastly, acts that violate University policies, or federal, state, or local laws. (Hazing Policy)

4. Disorderly, disruptive, lewd, or indecent conduct.

5. Theft or attempted theft, or willfully, recklessly, or negligently destroying, damaging, injuring, or using property of NEOMED or another person without the consent of the owner.

6. Use, possession, manufacture, cultivation, distribution, or facilitating the distribution of marijuana or any narcotic, hallucinogenic, or other controlled substances in a manner prohibited by law. This includes, but is not limited to, the receipt of a positive result for illegal use of any of the 10-panel drugs on the mandatory Toxicology Screen *(refer to the Toxicology Policy for additional information)*.

7. Use, possession, manufacture, or distribution of alcoholic beverages or public intoxication in a manner prohibited by law.

8. Unlawful or unauthorized possession of firearms, fireworks, explosives, other weapons, or dangerous chemicals or using any such item, even if lawfully possessed, in a manner that harms, threatens, or causes fear to others.

9. Commission of any felony or misdemeanor under applicable federal, state, or municipal law.

Administration of Student Conduct Policy

By law, the University is responsible for regulating the use of the grounds, buildings, equipment, and facilities of the University so the University may achieve its mission. To meet these responsibilities, the University herby adopts standards of conduct for the students and provides for suspension of students from classes, expulsion from the University, and/or physical removal from University property. The University hereby authorizes University officials to enforce University policy to maintain law and order on the campus. The authority of the student conduct process has been delegated to the Conduct Officer by the President.

The Administration of Student Conduct policy outlines the offenses, methods for reporting, process for investigation, informal and formal hearing procedures, possible sanctions, and appeal process for allegations of student conduct violations. We encourage students to review the Administration of Student Conduct policy carefully and to direct questions to the Conduct Officer in the Office of Student Services.

II. Professional Commitments to Which Students Should Aspire

NEOMED students are expected to abide by the Professional Commitments during their tenure at NEOMED, including classroom and clinical settings.

Professionalism in the health professions requires that healthcare providers place the interests of patients above their own. This highest standard of professional conduct calls upon students at NEOMED to demonstrate a commitment to altruism, accountability, excellence, duty, service, honor, integrity, and respect for others throughout their academic studies, clinical training, and professional careers. The professional expectations outlined below include examples of behaviors to which NEOMED students are expected to aspire in both academic and clinical settings.

1. **Altruism:** the essence of professionalism that maintains that the best interest of patients, not self-interest is the rule.

• Demonstrate humility. Each student is the sum of not only their own work, but also the teaching, lessons, encouragement, and giving of others.

• Assist other health professional students in need.

• Contribute a positive image of the health professions.

• Relate to others in a caring, empathic manner and strive to prevent and relieve human suffering.

2. **Accountability:** required at all levels, including accountability to the individual patient for fulfilling the implied contract governing the health care professionals/patient relationship; to society for addressing public health needs; and to the profession for adhering to the highest level of ethical precepts.

• Read, understand, and abide by the NEOMED COMPASS, particularly as it relates to expectations of student conduct, academic performance, and professional expectations.

• Participate in and assume an appropriate and equitable share of responsibilities among peers and colleagues, including group work duties.

• Be present, punctual, and prepared in all mandatory activities at the University and at clinical sites.

3. **Excellence:** to reach excellence requires a conscientious effort to exceed ordinary expectations and to make a commitment to life-long learning.

• Demonstrate NEOMED's Core Values in all we do including: Integrity, Collaboration, and Excellence.

• Present oneself in a professional manner with respect to punctuality, proper preparation, accountability, communication, attire, hygiene, body language, engagement, and emotional regulation.

• Self-assess personal challenges and developmental needs, and seek support and assistance to improve future performance.

4. **Duty:** every health care professional in training, or in the field, accepts a commitment to service as a personal and professional goal. This requires availability and responsiveness, accepting inconvenience to meet the needs of the patient, sometimes enduring unavoidable risk to oneself when a patient's welfare is at stake, advocating for the best possible care regardless of ability to pay and the willingness to accept active roles in professional associations, and to volunteer one's skills and expertise for the welfare of the community.

• Participate in and contribute to improving public health care within the local and global community.

• Champion the needs and health issues of those who may be unable to speak on their own behalf to improve social sustainability.

• Assume leadership opportunities within out-of-classroom organizations, professional groups, and informal groups devoted toward addressing health care.

5. **Honor and Integrity:** to regard the highest standard of behavior and refuse to violate the personal and professional codes of the profession require honor and integrity which imply fairness, truthfulness, keeping one's word, meeting commitments, and being straightforward. The goal is to recognize any conflicts of interest and avoid situations that make personal gain more important than the best interest of the patient.

• Safeguard patient confidences and privacy whether through written, verbal, electronic, or social media sharing.

• Deal with confidential information with discretion and appropriateness.

6. **Respect for Self and Others:** Respect for self and others including patients, their families, faculty and staff, and other health care professionals is the essence of humanism and is central to valuing others. Respecting others means valuing their individuality, their backgrounds, opinions, and talents that individuals contribute to the community and is a fundamental requirement for valuing others.

• Act appropriately and respectfully in all verbal and nonverbal interactions with patients, standardized patients, residents, peers, hospital personnel, faculty, and staff.

• Value, respect, and convey a sense of caring toward all persons.

• Nurture and allow free and open discourse, listen to new ideas, and value intellectual diversity of thoughts and talents.

• Follow healthy life-style habits, willingly seek care and support from others, and attend to my own physical and emotional health and well-being in order to provide care of the highest standard.

*Our thanks to the American Board of Internal Medicine for these six definitions of professionalism as developed in the Project Professionalism document which has been expanded to include all health professions and various examples of professional expectations at NEOMED.

Concerns related to the above professional aspirations are addressed by the college or the respective CAPP committee.

Conduct/Professionalism - Use of Technology

Use of Technology

Email

NEOMED provides email resources in support of its instruction, research, and service activities. Students can access their email account through the Microsoft 365 link on the Student Resources page of the NEOMED website, or by going tohttps://portal.office.com to log into their account.

Because email is the official method for communicating with students, a NEOMED email address is issued to all students upon acceptance. Students are responsible for using the neomed.edu address as their email address for all official communication with NEOMED faculty, staff, and administration. It is the student's responsibility to check their email regularly for distribution of official communications. Failure to read email messages does not alter a student's responsibility to be informed about NEOMED events, announcements, and policy changes. Therefore, it is recommended that email be checked once per day when practical. Students are discouraged from distributing mass emails; please post all announcements on the Pulse or where appropriate.

NEOMED is not responsible for lost, rejected, or delayed email forwarded from a student's official email address to an off-campus or unsupported email service or provider. Such lost, rejected, or delayed email does not absolve the student from any responsibilities associated with an official communication sent to the student's official NEOMED email address. If there is a change in a student's email address to which the official address is redirected, it is the student's responsibility to make the changes in the email registering system.

NEOMED's computer systems and networks are shared resources used by many individuals to carry on the University's mission of teaching, research, and service. Use of these resources must be ethical, respect academic honesty, respect the rights of other users, demonstrate respect for intellectual property and ownership of data, respect system security mechanisms, and promote an environment free from intimidation and harassment.

NEOMED has specific policies governing the use of information technology resources which apply to all faculty, staff, and students. It is each user's responsibility to keep fully aware of all policies and understand them or seek clarification from appropriate authorities in case of doubt or ambiguity. It is the responsibility of every student to know these policies and to conduct his/her activities accordingly. The full text of the policies is posted at: https://www.neomed.edu/policies/by-category/#it.

Acceptable Use of Computing Resources by Students

Students shall comply with NEOMED's policies and procedures and protect their IDs/passwords and keep them confidential. Students are responsible for all activities that originate from their computer accounts or systems. Students should respect licensing and copyright laws. Information protected by copyright is not to be copied from, into, or by using NEOMED's computer and network sources. Students should use systems and networks responsibly, ethically, and legally. All devices that are connected to the NEOMED network and the Internet, whether owned by the student or the University, will execute real-time virus-scanning software with a current virus definition file.

Unacceptable use of computing resources by students

The computer systems at NEOMED are not to be used to harass or intimidate any person using any system, network, email, etc. Additionally, they are not to be used to attempt to gain unauthorized access to any resource. Students are not to engage in any activity that infringes on the ability of others to use the network or other resources, such as uploading or downloading music or movies. Students are not to use software that could be harmful to the network or other resources or install any unauthorized equipment on the network. Students are not to use accounts or network access to conduct a personal business, to promote or advertise a personal business and/or for personal financial benefit. Students are not to transmit or make accessible obscene materials or disrupt network communications or conduct or attempt to conduct a breach of security against NEOMED's systems.

Peer-To-Peer Software

Peer-to-peer (P2P) software and BitTorrent may seem to be convenient means of downloading multimedia, but this convenience is a double-edged sword. Your ease in finding files is equally matched by the ease with which the copyright enforcement agency can find you. These agencies can rapidly identify computers that are sharing files in violation of copyright – sometimes in as little as five minutes after the computer connects to the network. Therefore, uploading and downloading music and movie files is illegal and is a violation of NEOMED's File Sharing practices. Sharing files without permission of the copyright owner puts you at risk of a criminal and/or civil lawsuit. In addition, unauthorized distribution of copyright material is a violation of the university's Acceptable Use of Computing Resources Policy and is subject to further action by Student Services. Students' Internet privileges will be revoked if found in violation of these laws and may be subject to fines of up to $100,000 per song by the music industry.

Aside from the legal ramifications, however, P2P applications have some serious security issues. NEOMED discourages students from installing them on personal computers: P2P applications can come with suspect third-party software. P2P software often comes bundled with other applications that may interfere with students' use of their computer. P2P applications can be a vector for viruses. Many of the highly successful viruses in circulation today use P2P programs running on an infected computer as an additional mechanism for propagation. P2P applications can make students liable for distribution of material. Some P2P file sharing licenses allow the company to use the student system as a distribution point for pirated software, videos or audio files, a practice for which students are liable.

File Sharing

Supported types of internal file sharing include Microsoft 365 Groups, which provide secure file sharing capabilities for authorized members of the group. Membership is maintained by the designated group owner. OneDrive within Microsoft 365 also provides sharing capabilities.

Files that are not protected by copyright may be downloaded from the Internet for legitimate University purposes. Files that contain any information considered sensitive or vulnerable should be encrypted before sending electronically or on magnetic media.

Wireless Connectivity

The University maintains a private and public wireless solution that is accessible in most areas inside and outside of the University campus. Students may log in to the secured public wireless network by using their NEOMED username and password.

All NEOMED policies concerning the campus wired network also apply to wireless connections. Access to the wireless network is restricted to members of the campus community who have a valid user ID and password. Students are responsible for purchasing wireless clients/cards for devices connected to the campus wireless network. Unauthorized Access Points/Base Stations that are discovered on the network will be disconnected, and disciplinary action may be taken against the device's owner/operator.

To prevent an accidental compromise of system resources or information, anyone attempting to attach to the wireless network are electronically evaluated to ensure that the most up-to-date patches and anti-virus software have been applied to their device. If a computer, laptop, or wireless device does not have recent updates, access to the wireless network will be denied until the updates have been applied.

Multi-factor Authentication (MFA)

To access University Systems protected with MFA, students are provided with a NEOMED email account and are required to complete the MFA and Self-Service Password Reset (SSPR) enrollment process, wherein the individual registers two authentication methods. If an individual does not register for MFA/SSPR, that individual will not be permitted access to University Systems protected by MFA. The MFA enrollment first time setup guide and additional instructions for changing authentication methods can be found at https://www.neomed.edu/mfa.

Passwords and Encryption

Maintenance of data security is important for the entire University community. Maintaining strong password credentials and keeping those credentials private helps to keep all our sensitive data secure. Data security policies pertaining to passwords, encryption, etc., are posted on the NEOMED website. Each student has a responsibility to review and comply with these policies: https://www.neomed.edu/policies/by-category/#it.

If a student's account becomes locked, students can use the Self-Service Password Reset (SSPR) tool that provides the ability to unlock their account: https://passwordreset.microsoftonline.com/ Instructions can be found in the NEOMED Knowledge Base article - "Reset Your NEOMED Password".

Sanctions

Users who violate these policies may be denied access to NEOMED's computing resources and may be subject to other penalties and disciplinary action, both within and outside of the University. Violations will normally be handled through the NEOMED disciplinary procedures applicable to the relevant user. The University may suspend or block access to an account, prior to the initiation or completion of such procedures, when it reasonably appears necessary to do so to protect the integrity, security, or functionality of the University or other computing resources or to protect the University from liability. The University may also refer suspected violations of applicable law to appropriate law enforcement agencies.

Reporting Violations

Any user who believes that a violation of this policy has occurred should report the matter as soon as possible to the Chief Information Technology Officer. The Chief Information Technology Officer may confer with the NEOMED General Counsel on determining the appropriate course of action. In addition, any user who feels it necessary for their health or safety may also report the incident to university security or where appropriate local or federal law enforcement.

Student Health Services

NEOMED Health Care & Counseling Center

NEOMED Health Care is located on the second floor of the NEW Center in Suite 203.

A successful transition into professional school requires the ability to maintain a healthy balance between one's academic and personal life. NEOMED Health Care and Counseling Center promotes the practice of self-care by providing outpatient services such as annual wellness visits, chronic care and acute care visits, behavioral and mental health counseling, psychiatrist lead medication management services and psychiatric triage services. The goals of the NEOMED Health Care and Counseling Center are to:

- Communicate the importance of achieving balance between one's academic and personal life, and demonstrate strategies for maintaining this balance throughout professional school and beyond
- Provide short-term time limited individual counseling support
- Educate students on how to create, achieve and maintain personal well-being
- Equip students with healthy coping strategies
- Promote a healthy and active lifestyle

Healthcare Services

NEOMED Health Care provides students with accessibility to Family Medicine providers on-site to receive their Annual Wellness Visits and other outpatient services for the duration of their time at NEOMED. As future healthcare practitioners, students at NEOMED have the opportunity to seek preventative care and acute care services at NEOMED Health Care. NEOMED Health Care provides an array of outpatient services

- Annual wellness visit/ Preventative care visit
- Chronic care management
- Acute care visits (infections, cold/cough, acute pain)
- Vaccinations
- Titer draws, TB tests, drug screenings
- Sports physicals
- Specialized services:
  Travel health vaccinations and consultations
  Psychiatry services
  Medication therapy management

Counseling Services

Within the NEOMED Healthcare and Counseling Center, NEOMED provides confidential mental health counseling and psychiatric triage services on campus to all enrolled students. Six counseling sessions are provided to each student, each semester, at no additional cost to the student. Counseling sessions exceeding 6/semester can be billed to the student's health insurance or can be requested to be self-pay. Counseling provides the opportunity for personal growth and development and can

address symptoms related to stress regarding academic concerns, time management issues, anxiety, depression, relationship issues, or other personal concerns. When appropriate and relevant to maximize care, students may be referred to external community supportive resources. More information regarding referral resources is available on the NEOMED website.

Counseling services are provided through contractual agreements by NEOMED Health Care using 3 providers:

1. Travco Behavioral Health (on-site)
2. Impact Solutions (24/7; online)
3. Minority Behavioral Health (local/regional)

Students may seek any of the available providers from above to receive counseling.

Hours of operation are maintained on the NEOMED Health Care website:

To schedule an appointment, call 330.325.3202

Please note: Student mental health services will continue to be offered through the NEOMED Health Care and Counseling Center. Visit Monday-Friday, 8 a.m. – 5 p.m., call 330.325.6757 to make an appointment. If at any time you are unable to reach a counselor and need immediate, urgent mental health care, please contact Impact Student Life Assistance at 866.780.0855, AxessPointe at 330.673.1016, National Suicide Hotline at 988 or the crisis text line at 741-741.

Other Health Care Options

AxessPointe Community Health Centers/Kent (new location effective 9/19/2017: 143 Gougler Avenue) in Kent, Ohio is available for enrolled students to be seen for minor illnesses. For general information and appointments, call 888.975.9188.

Summa Health Rootstown Medical Center
Located at 4211 State Route 44 in Rootstown, Ohio, in NEOMED's medical office building. Features comprehensive services and easy access, providing those in and around the area with the care they deserve. Call 234.867.7107.

Emergencies or Illness

At Rootstown

Summa Health Rootstown Urgent Care
Call 234.867.7536 Emergency? Dial 911.
Located at 4211 State Route 44 in Rootstown, Ohio, in NEOMED's medical office building.
Features a board-certified physician and advanced practice registered nurses, as well as onsite laboratory services and digital X-ray. Provides non-emergency care with convenient evening and weekend hours.
No appointment necessary. Urgent Care walk-in appointments available.

Emergencies: In case of emergency, dial 9-911. The paramedics will provide emergency care and transportation. Notify Security at 325-6489 to direct the paramedics to the location of the emergency.

Chronic or episodic illness: AxessPointe Community Health Centers/Kent in Kent, Ohio is available for enrolled students for chronic or episodic illnesses. For general information and appointments,
call 1.888.975.9188.

On a Clinical Campus

Emergencies: Notify the preceptor or chief of service of the department in which you are currently
located, and/or go to the emergency room of the hospital where you are located. The Dean of Students, Executive Director of Enrollment, associate clinical dean for the hospital and the clerkship director/experiential director should be notified as soon as conditions permit.

There are specific policies to address exposure to blood borne pathogens Exposure to Blood-Borne Pathogens | Policy Portal | NEOMED and infectious diseases Exposure to Infectious Disease Policy | NEOMED.

Chronic or episodic illness: NEOMED does not wish to limit any student in his or her choice of physician. However, we recognize that a conflict of interest may exist when a treating physician is involved in assessing the performance of a student who is also his/her patient. Therefore, NEOMED suggests that students select their physicians from those not likely to be directly involved in their teaching and assessment.

Student Policies - Drug Free Schools and Communities Act Amendments of 1989

Drug Free Schools and Communities Act Amendments of 1989

The NEOMED Policies on Alcohol/Drug Possession/Distribution/Use on School Property Drug-Free Schools and Communities Act Amendment of 1989 20 U.S.C. § 1213

Please carefully review the Drug Free Workplace policy for more information about the components of the Drug Free Schools policy and the procedures for responding to allegations of violating the policy, including state and federal laws on drugs and alcohol, health risks, and counseling and rehabilitation.

When the University becomes aware that a student has developed a problem relating to alcohol or other substance abuse, the student will be required to appear before the Committee on Academic and Professional Progress to determine if it is necessary for the student to leave studies and participate in an appropriate rehabilitation program. Failure on the part of the student to complete a mandated rehabilitation program successfully will lead to dismissal from the Colleges. The normal CAPP due process and appeal procedures will apply.

Student Policies - Learning Environment Concerns

Learning Environment Concerns

The University is committed to maintaining a professional and welcoming learning environment in which all students are treated with respect and dignity. This environment should promote interactions based on individual strengths and characteristics to encourage constructive, thoughtful, respectful, sensitive behavior, consistent with the standards of the various health professions in which our students are being trained.

Please refer to the Learning Environment Concerns policy for a complete description of the policy and protocol for reporting incidents of mistreatment, inappropriate behavior or bias in the learning environment. Or access the Learning Environment Concern form online.

Student Policies - Missing Person Policy

Missing Person Policy

The Missing Person Policy is available on the NEOMED website.

NEOMED's missing person policy establishes protocol for locating a NEOMED student who is living in on-campus housing and who, based on the information available at the time, is believed to be missing.

The Board of Trustees authorized the administration to establish and implement all policies to ensure compliance with the Jeanne Clery Campus Safety Act (Clery Act) ~~Disclosure of Campus Security Policy and Campus Crime Statistics Act~~ 20 USC §1092 (f) and to modify those policies without further ratification action required by the Board of Trustees.

Student Policies - Non-Discrimination/Harassment Policy

Non-Discrimination/Harassment Policy

All members of the University are responsible for ensuring that our working and learning environment is free from harassment or unlawful discrimination and open to intellectual diversity. Supervisory personnel bear the primary responsibility for maintaining a working and learning environment free from harassment or unlawful discrimination and open to multiple, divergent, and varied perspectives on an extensive range of public policy issues. Complaints that a member of the NEOMED faculty or staff has engaged in conduct that may constitute harassment, discrimination, or suppression of intellectual diversity can be made in accordance with the following policies: Expressive Activity and Harassment, Non-Discrimination and Harassment, and Intellectual Diversity. The University is committed to maintaining a professional and collegial work and learning environment in which all individuals are treated with respect and dignity. Everyone has the right to work and learn in a professional atmosphere.

The University seeks to promote an environment in which all students, faculty and staff interact based on individual strengths and characteristics, without having such interactions shaped, advantaged, or disadvantages by generalizations or stereotypes based on any one characteristic or behavior.

Harassment and unlawful discrimination, or suppression of intellectual diversity, are serious offenses that may be cause for disciplinary action. The University will not tolerate harassment or unlawful discrimination on the Rootstown campus, or in any affiliated institution, or program. The University will commit resources to educational and training programs designed to make members of its community aware of their responsibilities with respect to this objective.

Nothing in these policies will be interpreted, administered, or applied to infringe upon the academic freedom of any faculty member of the NEOMED community. The frank discussion of controversial ideas, the pursuit and publication of controversial research, and the study and teaching of material with controversial content do not constitute harassment, provided these activities are conducted in an atmosphere of tolerance and respect.

Student Policies - Room Regulations for Student Use

Room Regulations for Student Use

Student organizations must follow the established CampusGroups room request workflow when reserving spaces for meetings or events. All room reservations must be submitted and approved through CampusGroups. Students are permitted to use only rooms assigned to them and may not request rooms on behalf of other students/ organizations. Students may only request a room for the block of time for which they will be using the room.

The student reserving the room will be responsible for any activity in the room, even if the responsible student was not present for the activity. Students must clean the room prior to vacating it and restore the room to its original condition. The room must remain unlocked during use. The University is not responsible for valuables left in an unlocked, unoccupied room. Students must vacate the room upon request of the night cleaning crew. Any additional required cleaning, rearrangement, etc., will be charged to the student who was responsible for the room reservation.

Rooms available for both student organizations and personal use can be found in the CampusGroups room request workflow. Group study rooms in the 24/7 area of the library operate on a "first-come-first serve" basis.

For questions regarding room use or CampusGroups please contact studentservices@neomed.edu.

Student Policies - Sexual Harassment under Title IX

Sexual Harassment Under Title IX

The University is committed to maintaining an environment in which all students and employees can work, learn, and participate in activities free from sexual harassment, including forms of sexual misconduct. Sexual harassment committed by or against any faculty, staff, student, employee, volunteer or visitor are prohibited at the University and will be fully investigated and adjudicated in accordance with the Sexual Harassment Under Title IX policy. This policy outlines the way instances of Sexual Harassment are defined, reported, and adjudicated to ensure a safe and secure campus community.

Student Policies - Student Employment Guidelines

Student Employment Guidelines

Bitonte College of Dentistry

The primary responsibility of every dental student is mastery of the Bitonte College of Dentistry's educational objectives. The academic program of dental school is fast-paced and demanding. For this reason, the Bitonte College of Dentistry strongly discourages dental students from engaging in any outside employment.

College of Medicine

The primary responsibility of every medical student is mastery of the College of Medicine’s educational objectives exemplified in knowledge, skills, and attitudes. The academic program of medical school is fast paced with a sheer volume of content that is often overwhelming. For these reasons, the College of Medicine strongly discourages all students from engaging in any outside employment.

College of Pharmacy

Students enrolled in the Doctor of Pharmacy program at Northeast Ohio Medical University (NEOMED) are encouraged to seek employment in a pharmacy setting while pursuing their degree. Anecdotal feedback suggests that students who work while enrolled in pharmacy school are academically stronger and are more likely to have employment opportunities following graduation. However, students who prioritize work hours over academic studies, or who work excessively are more likely to struggle with completing academic milestones. It is important to remember that as a student in a graduate professional level program, academics are the primary focus. Students should adhere to the following guidelines regarding employment and academics:

- During the academic year, students are encouraged to retain employment in a pharmacy setting if it does not interfere with scheduled classes or inhibit study time.
- Faculty recommend working no more than 8 hours OR one shift per week on average for students with consistently positive academic performance. It is understood that each student will need to assess their ability to effectively balance work and academic responsibilities. The recommendation provided may not apply in all situations, but rather is intended to be an initial guide.
- Students are encouraged to re-evaluate any work commitments on a regular basis to consider previous experiences and expected academic workload.
- Students should avoid situations where the time committed to work ultimately creates an unfortunate situation where they are in a position of academic difficulty.
- Employment in a pharmacy setting, preferably as a pharmacy intern, during summers and vacation breaks during the academic year, is strongly encouraged.
- When it is determined that a student missed class, an assessment, or any other required academic activity due to a work commitment, the absence will be considered unexcused and will be noted as such.
- Work experience during pharmacy school reflects on overall work ethic as a professional. Students should consider the experience of working in a pharmacy as an extended interview for a potential role as a pharmacist in that organization. It is in their long-term best interest to remain in good academic standing to successfully complete the program.
- Students are encouraged to discuss their individual balance of academics and employment with their PDAT advisor or the Office of Student Success.

Student Policies - Suicide Prevention Policy

Suicide Prevention Policy

The purpose of this policy is to protect the health and well-being of Northeast Ohio Medical University (NEOMED) students and employees. NEOMED has established procedures to prevent, assess the risk of, intervene in, and respond to suicide on campus or situations where suicide affects the lives of its students and employees. The purpose of this policy is to provide students and employees with information on suicide prevention, crisis intervention, mental health programming, and other educational and outreach activities aimed at suicide prevention.

All Programs

Graduate Certificate in Global Health

Overview

Program Description
The Global Health Certificate is designed to enhance professional education through full immersion experiences in a resource limited environment in which students will learn and experience medical care constrained by poverty, lack of resources, as well as social, environmental, and cultural barriers. This fundamental knowledge helps students become independent thinkers and doers who see and create opportunities for innovation that foster health and social and economic change in resource poor settings. NEOMED Students can be teamed up with students from partner universities abroad and jointly complete the didactic and practical portions of their training and jointly carry out their project ideation, design, implementation, and evaluation. This 10-credit program can be completed while students are enrolled in other graduate or professional programs.

College
College of Graduate Studies

Program Level
Graduate

Degree Requirements

Simple Requirements

Catalog Year 2026-2027

Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:

- GLBH 60801 - Medical Innovation in Underserved and Global Health
- GLBH 60802 - Understanding Health Systems: Quality Value Cost
- GLBH 60805 - Immersion in Global Health and Underserved Health

Note:

* A student enrolled in a professional degree program at NEOMED may be approved to use up to four (4) credits of their professional degree towards the completion of the Immersion requirements. For example, NEOMED COM students can use up to 4 credits of their Global Health elective credits toward the Immersion experience

Graduate Certificate in Health Data Science & AI

Overview

Program Description
The Health Data Science and AI Graduate Certificate is a 10-credit program designed to prepare traditional college students, healthcare professionals and career changers to apply data-driven approaches in healthcare settings.

College
College of Graduate Studies

Program Level
Graduate

Curriculum Information

The curriculum provides a focused introduction to artificial intelligence and data science in health, anchored by required coursework in *Artificial Intelligence for Health Data* and *Responsible Conduct of Research*. Students then tailor their learning through elective coursework in areas such as biostatistics, epidemiology, data visualization, electronic health record (EHR) analytics and research methods.

Degree Requirements

Simple Requirements

Catalog Year 2026-2027

Type
Completion Requirement

Core

Complete ALL of the following Courses:
- DATA 60905 - Artificial Intelligence for Health Data
- BMS 60301 - Responsible Conduct of Research

Electives

Complete at least 2 of the following courses:
- DATA 60903 - Data Visualization
- DATA 60904 - Statistical Methodology for Biomedical Sciences I
- DATA 60907 - Statistical Methodology for Biomedical Sciences II
- DATA 60908 - Electronic Health Records and Health Data
- BMS 60909 - Epidemiology
- BMS 60404 - Research Methods

Program Objectives

1. Apply statistical and computational methods.
2. Develop and evaluate machine learning models.
3. Work with complex health data systems.
4. Design and critically evaluate health research.
5. Translate health data into actionable insights.
6. Conduct independent and collaborative research
7. Practice ethical and responsible AI.

Graduate Certificate in Health Research

Overview

Program Description
The Health Research Certificate provides students with an opportunity to enhance their professional education or to serve as a pathway toward graduate education in health sciences. Students who enroll in this certificate are exposed to essential research knowledge and training, competitive skills useful for recruitment in post-graduate programs (i.e. Residency), and early career grant funding. Students will refine their research interests, gain exposure to new research methods and technologies, develop their leadership skills, and learn to identify potential career opportunities in clinical, academic, or industry settings where research fluency is increasingly applied and sought after. This 10-credit program can be completed in as few as two semesters or while students are enrolled in other graduate or professional programs. Additionally, approved certificate credit can be shared for students interested in pursuing degrees in other NEOMED College of Graduate Studies programs (e.g., Basic and Translational Biomedicine (BTB)).

College
College of Graduate Studies

Program Level
Graduate

Degree Requirements

Simple Requirements

Catalog Year 2026-2027

Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:
- BMS 60404 - Research Methods
- BMS 60301 - Responsible Conduct of Research
- BMS 60303 - Research Writing for Scholarship

Required Electives

Earn at least 3 credits from the following:
- RES 60497 - Research
- BMS 60401 - Drug Discovery, Development and Approval

Graduate Certificate in Medical Ethics & Humanities

Overview

Program Description
As medical science and technology continue to advance, there is an increasing concern over professional and ethical responsibilities in providing optimal care to patients and their families, and addressing issues among colleagues and institutions including, but not limited to: effective utilization of scarce or limited resources; disclosure of conflicts of interest; balancing healthcare delivery with clinical research; and developing therapeutic relationships in light of controversial public health policies and laws.

The Medical Ethics and Humanities Certificate program is a 10-credit program designed for healthcare professionals and students who have the desire to explore these pragmatic issues through the lenses of ethical theory and narrative-driven humanities. This coursework can be completed while students are enrolled in other graduate or professional programs. The certificate program is also open to others not enrolled in the Colleges of Medicine or Pharmacy.

College
College of Graduate Studies

Program Level
Graduate

Degree Requirements

Degree Completion Requirements
A 10-credit certificate. Ideal for the busy healthcare professional or student who wishes to combine clinical practice with ethics consultation, education, and research. Students enrolled in a professional degree program at NEOMED may be approved to use up to four (4) credits of their professional degree towards the completion requirements.

Simple Requirements

Catalog Year 2026-2027

Type
Completion Requirement

Core Course: Medical Ethics Track

Complete ALL of the following Courses:
- ETH 60304 - Clinical Ethics: Research, Policy & Practice

Core Course: Humanities Track

Complete ALL of the following Courses:
- HUM 60320 - Topics in Medical Humanities

Approved Elective Courses

Earn at least 7 credits from the following:
- BMS 60301 - Responsible Conduct of Research
- BMS 60303 - Research Writing for Scholarship
- ETH 60305 - Organizational Ethics
- ETH 60308 - Health Care Justice
- ETH 60311 - Psychiatric Ethics
- ETH 60312 - Primary Care Ethics
- ETH 60315 - Surgical Ethics
- ETH 60321 - Healthcare Law and Ethics
- HUM 60307 - Invalid Women
- HUM 60319 - Health Humanities as Craft
- HUM 60322 - Health Humanities Immersion

Graduate Certificate in Public Health Administration

Overview

Program Description
The Graduate Certificate in Public Health Practice provides foundational skills and knowledge in working with local communities, government agencies and community-based non-profit agencies to develop health initiatives and evaluate their outcomes. The primary audience would be professionals working to enhance their careers or those who wish to obtain a specific public health focus. Course work is online or via webinar.

College
College of Graduate Studies

Program Level
Graduate

Degree Requirements

Degree Completion Requirements
Public health has grown to encompass many disciplines and to focus on disease prevention in communities and across healthcare settings. Students have the choice of choosing certificates in three areas. Courses completed in these certificates may count toward the MPH degree within the Consortium of Eastern Ohio Master of Public Health program. These certificates are fully online, webinar based.

Simple Requirements

Catalog Year 2026-2027

Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:
- PUBH 60201 - Public Health Concepts
- PUBH 60205 - Health Services Administration in Public Health
- PUBH 60206 - Policy and Environmental Sciences in Public Health
- PUBH 60207 - Grant Writing for Public Health Practice

Graduate Certificate in Public Health

Overview

Program Description
The Graduate Certificate in Public Health provides foundational skills and knowledge in public health for those who wish to create healthier communities. The primary audience would be professionals working to enhance their careers or those who wish to obtain a specific public health focus. Course work is delivered online or via webinar.

College
College of Graduate Studies

Program Level
Graduate

Degree Requirements

Degree Completion Requirements
Public health has grown to encompass many disciplines and to focus on disease prevention in communities and across healthcare settings. Students have the choice of choosing certificates in three areas. Courses completed in these certificates may count toward the MPH degree within the Consortium of Eastern Ohio Master of Public Health program. These certificates are fully online, webinar based.

Simple Requirements

Catalog Year 2026-2027

Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:
- PUBH 60201 - Public Health Concepts
- PUBH 60202 - Social and Behavioral Sciences in Public Health
- PUBH 60203 - Epidemiology in Public Health
- PUBH 60204 - Biostatistics in Public Health
- PUBH 60205 - Health Services Administration in Public Health
- PUBH 60206 - Policy and Environmental Sciences in Public Health

Graduate Certificate Public Health Research

Overview

Program Description
The Graduate Certificate in Public Health Research provides foundational skills and knowledge in conducting health research with local communities. The primary audience would be professionals working to enhance their careers or those who wish to obtain a specific public health focus. Course work is online or via webinar.

College
College of Graduate Studies

Program Level
Graduate

Degree Requirements

Degree Completion Requirements
Public health has grown to encompass many disciplines and to focus on disease prevention in communities and across healthcare settings. Students have the choice of choosing certificates in three areas. Courses completed in these certificates may count toward the MPH degree within the Consortium of Eastern Ohio Master of Public Health program. These certificates are fully online, webinar based.

Simple Requirements

Catalog Year 2026-2027

Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:
- PUBH 60202 - Social and Behavioral Sciences in Public Health
- PUBH 60203 - Epidemiology in Public Health
- PUBH 60204 - Biostatistics in Public Health
- PUBH 60209 - Public Health Research & Evaluation

Doctor of Dental Surgery

Overview

Program Description
The Doctor of Dental Surgery (D.D.S.) curriculum at NEOMED is designed to prepare students to begin the independent practice of general dentistry. The Bitonte College of Dentistry has developed overall educational objectives for the DDS program in the form of competency statements for graduates. The competency statements represent what graduates must be able to demonstrate by the end of the four-year DDS curriculum such that they are prepared for entry into the independent practice of general dentistry. The competency statements serve as a blueprint for curriculum development, assessment, and improvement.

College
Bitonte College of Dentistry

Program Level
Professional

Degree Maps

Degree Completion Requirements
Pass the Integrated National Board Dental Examination (INBDE).

Degree Map Name
D4 - Class of 2029
Total Degree Map Credits
42
Degree Map Effective Catalog Year
2027 -

Year	Semester	Credits	Progress Credits
D4	Summer	10	0

Requirement Select
- DENC 84101 - Clinical General Dentistry IV

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	10
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
D4	Fall	16	0

Requirement Select
- DENC 84201 - Clinical General Dentistry V

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	16
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
D4	Spring	16	0

Requirement Select
- DENC 84301 - Clinical General Dentistry VI

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	16
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Total General Education Credits
0
Total Major Credits
0
Total Minor Credits
0
Total Elective Credits
0

Degree Map Name
D3 - Class of 2029
Total Degree Map Credits
45
Degree Map Effective Catalog Year
2027 -

Year	Semester	Credits	Progress Credits
D3	Summer	10	0

Requirement Select
- DENC 83101 - Clinical General Dentistry I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	10
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
D3	Fall	16	0

Requirement Select
- DENC 83201 - Clinical General Dentistry II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	16
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
D3	Spring	19	0

Requirement Select
- DENC 83301 - Clinical General Dentistry III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	16
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- DENT 83302 - Practice Management

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	30
Clinical	-
Criticality	No

Requirement Select
- DENC 83401 - Competency Assessment

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Degree Map Name
D2 - Class of 2029
Total Degree Map Credits
58.5
Degree Map Effective Catalog Year
2027 -

Year	Semester	Credits	Progress Credits
D2	Summer	13.5	0

Requirement Select
- DENT 72101 - Oral Radiology

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	22
Clinical	-
Criticality	No

Requirement Select
- DENT 72102 - Complete Dentures - Didactic

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	18
Clinical	-
Criticality	No

Requirement Select
- DENT 72103 - Complete Dentures - Simulation Lab

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3.5
Progress Credits	-
Contact Hours	52
Clinical	-
Criticality	No

Requirement Select
- DENT 72105 - Pediatric Dentistry - Didactic

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	21
Clinical	-
Criticality	No

Requirement Select
- DENT 72106 - Pediatric Dentistry - Simulation Lab

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	26
Clinical	-
Criticality	No

Requirement Select
- DENT 72107 - Digital Dentistry Lab

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	36
Clinical	-
Criticality	No

Requirement Select
- DENT 72108 - Integrated Cases

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 72109 - Occlusion

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
D2	Fall	21.5	0

Requirement Select
- DENT 72201 - Implant Dentistry

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 72202 - Interprofessional Education

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- DENT 72203 - Pharmacology

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4
Progress Credits	-
Contact Hours	60
Clinical	-
Criticality	No

Requirement Select
- DENT 72204 - Oral Diagnosis and Treatment Planning I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 72205 - Periodontics II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	28
Clinical	-
Criticality	No

Requirement Select
- DENT 72206 - Fixed Prosthodontics II - Didactic

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 72207 - Fixed Prosthodontics II – Simulation Lab

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	40
Clinical	-
Criticality	No

Requirement Select
- DENT 72208 - Endodontics - Didactic

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 72209 - Endodontics – Simulation Lab

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	40
Clinical	-
Criticality	No

Requirement Select
- DENT 72210 - Oral and Maxillofacial Surgery I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	30
Clinical	-
Criticality	No

Requirement Select
- DENC 72211 - Clinical Skills

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	16
Clinical	-
Criticality	No

Requirement Select
- DENT 72212 - Integrated Cases

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	22
Clinical	-
Criticality	No

Requirement Select
- DENT 72213 - Nutrition

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
D2	Spring	23.5	0

Requirement Select
- DENT 72301 - Removable Partial Dentures - Didactic

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 72302 - Removable Partial Dentures – Simulation Lab

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	40
Clinical	-
Criticality	No

Requirement Select
- DENT 72303 - Operative Dentistry III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	32
Clinical	-
Criticality	No

Requirement Select
- DENT 72304 - Oral Pathology

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	45
Clinical	-
Criticality	No

Requirement Select
- DENT 72305 - Patient Assessment

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	44
Clinical	-
Criticality	No

Requirement Select
- DENT 72306 - Oral Diagnosis and Treatment Planning II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 72307 - Oral and Maxillofacial Surgery II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 72308 - Periodontics III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 72309 - Orthodontics

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	30
Clinical	-
Criticality	No

Requirement Select
- DENT 72310 - Orofacial Pain and Temporomandibular Disorders

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 72311 - Geriatric Dentistry

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 72312 - Dental Ethics and Law

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 72313 - Conscious Sedation

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENC 72314 - Clinical Skills

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	16
Clinical	-
Criticality	No

Requirement Select
- DENT 72315 - Management of Medical Emergencies

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	9
Clinical	-
Criticality	No

Requirement Select
- DENT 72316 - Management of Dental Emergencies

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	7
Clinical	-
Criticality	No

Requirement Select
- DENT 72317 - Integrated Cases

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Degree Map Name
D1 Class of 2030
Total Degree Map Credits
44
Degree Map Effective Catalog Year
2027 -

Year	Semester	Credits	Progress Credits

D1	Fall	23	0

Requirement Select
- DENT 71201 - Introduction to Patient - Centered Care

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	8
Clinical	-
Criticality	No

Requirement Select
- DENT 71202 - Dental Anatomy and Occlusion - Didactic

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	30
Clinical	-
Criticality	No

Requirement Select
- DENT 71203 - Dental Anatomy and Occlusion - Simulation Lab

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	42
Clinical	-
Criticality	No

Requirement Select
- DENT 71204 - Head and Neck Anatomy

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	76
Clinical	-
Criticality	No

Requirement Select
- DENT 71205 - Biomedical Sciences Foundations

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	37
Clinical	-
Criticality	No

Requirement Select
- DENT 71206 - Flora, Pathogens, and Defense

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3.5
Progress Credits	-
Contact Hours	52
Clinical	-
Criticality	No

Requirement Select
- DENT 71207 - Cariology

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	21
Clinical	-
Criticality	No

Requirement Select
- DENT 71208 - Operative Dentistry I - Didactic

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 71209 - Operative Dentistry I - Simulation Lab

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	40
Clinical	-
Criticality	No

Requirement Select
- DENT 71210 - Periodontics I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	22
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
D1	Spring	21	0

Requirement Select
- DENT 71301 - Introduction to Epidemiology and Evidence-Based Dentistry

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	24
Clinical	-
Criticality	No

Requirement Select
- DENT 71302 - Anatomy, Physiology, and Pathophysiology

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	7.5
Progress Credits	-
Contact Hours	116
Clinical	-
Criticality	No

Requirement Select
- DENT 71303 - Neurobiology

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	38
Clinical	-
Criticality	No

Requirement Select
- DENT 71305 - Introduction to Radiography

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 71306 - Disease Prevention and Health Promotion

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	22
Clinical	-
Criticality	No

Requirement Select
- DENT 71307 - Operative Dentistry II - Didactic

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- DENT 71308 - Operative Dentistry II - Simulation Lab

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	40
Clinical	-
Criticality	No

Requirement Select
- DENT 71309 - Fixed Prosthodontics I - Didactic

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select

- DENT 71310 - Fixed Prosthodontics I - Simulation Lab

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	40
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Program Objectives

Competencies for Graduates

The statements below define the entry-level competencies for the new dentist, as defined by the Bitonte College of Dentistry. For each competency statement, the corresponding Commission on Dental Accreditation (CODA) standard is shown in parentheses following the competency statement.

GRADUATES OF THE BITONTE COLLEGE OF DENTISTRY PREDOCTORAL DENTAL PROGRAM MUST BE COMPETENT TO:	
1.	Use critical thinking and problem-solving, including their use in the comprehensive care of patients, scientific inquiry and research methodology. (CODA 2-10)
2.	Apply biomedical science knowledge in the delivery of patient care. (CODA 2-15)
3.	Apply the fundamental principles of behavioral sciences as they pertain to patient-centered approaches for promoting, improving and maintaining oral health. (CODA 2-16)
4.	Manage a diverse patient population and have the interpersonal and communication skills to function successfully in a multicultural work environment. (CODA 2-17)
5.	Apply legal and regulatory concepts related to the provision and/or support of oral health care services. (CODA 2-18)
6.	Apply the basic principles and philosophies of practice management, models of oral health care delivery, and how to function successfully as the leader of the oral health care team. (CODA 2-19)
7.	Communicate and collaborate with other members of the health care team to facilitate the provision of health care. (CODA 2-20)
8.	Apply the principles of ethical decision-making and professional responsibility. (CODA 2-21)
9.	Access, critically appraise, apply, and communicate scientific and lay literature as it relates to providing evidence-based patient care. (CODA 2-22)
10.	Provide oral health care within the scope of general dentistry to patients in all stages of life. (CODA 2-23)
11.	Provide oral health care within the scope of general dentistry, as defined by the school, in: (CODA 2-24a) a) patient assessment, b) diagnosis, c) comprehensive treatment planning, d) prognosis, e) and informed consent
12.	Provide oral health care within the scope of general dentistry, as defined by the school, in screening and risk assessment for head and neck cancer. (CODA 2-24b)
13.	Provide oral health care within the scope of general dentistry, as defined by the school, in recognizing the complexity of patient treatment and identifying when referral is indicated. (CODA 2-24c)

GRADUATES OF THE BITONTE COLLEGE OF DENTISTRY PREDOCTORAL DENTAL PROGRAM MUST BE COMPETENT TO:	
14.	Provide oral health care within the scope of general dentistry, as defined by the school, in health promotion and disease prevention, including caries management. (CODA 2-24d)
15.	Provide oral health care within the scope of general dentistry, as defined by the school, in local anesthesia, and pain and anxiety control, including consideration of the impact of prescribing practices and substance use disorder. (CODA 2-24e)
16.	Provide oral health care within the scope of general dentistry, as defined by the school, in restoration of teeth. (CODA 2-24f)
17.	Provide oral health care within the scope of general dentistry, as defined by the school, in communicating and managing dental laboratory procedures in support of patient care. (CODA 2-24g)
18.	Provide oral health care within the scope of general dentistry, as defined by the school, in replacement of teeth including: (CODA 2-24h) a) fixed, b) removable and c) dental implant prosthodontic therapies
19.	Provide oral health care within the scope of general dentistry, as defined by the school, in periodontal therapy. (CODA 2-24i)
20.	Provide oral health care within the scope of general dentistry, as defined by the school, in pulpal therapy. (CODA 2-24j)
21.	Provide oral health care within the scope of general dentistry, as defined by the school, for: (CODA 2-24k) a) oral mucosal, b) temporomandibular, and c) osseous disorders.
22.	Provide oral health care within the scope of general dentistry, as defined by the school, in hard and soft tissue surgery. (CODA 2-24l)
23.	Provide oral health care within the scope of general dentistry, as defined by the school, for dental emergencies. (CODA 2-24m)
24.	Provide oral health care within the scope of general dentistry, as defined by the school, for malocclusion and space management. (CODA 2-24n)
25.	Provide oral health care within the scope of general dentistry, as defined by the school, in evaluation of the: (CODA 2-24o) a) outcomes of treatment, b) recall strategies, and c) prognosis.

GRADUATES OF THE BITONTE COLLEGE OF DENTISTRY PREDOCTORAL DENTAL PROGRAM MUST BE COMPETENT TO:	
26.	Assess and manage the treatment of patients with special needs. (CODA 2-25)

Appendix A

DEFINITIONS	
General Dentistry	The scope of general dentistry includes addressing patient needs in all stages of life by promoting disease prevention and health maintenance and providing comprehensive care and/or referral to specialists.
Manage	For this document, we define “manage” as a group of coherent interventions including appropriate referrals to specialists, designed to prevent or address existing conditions using a comprehensive patient care approach
All Stages of Life	Stages of life is defined as children (0-17 years), adults (18-64 years), geriatric (65+ years).
Special Needs	Those patients whose medical, physical, psychological, cognitive or social situations make it necessary to consider a wide range of assessment and care options in order to provide dental treatment. These individuals include, but are not limited to, people with developmental disabilities, cognitive impairment, complex medical problems, significant physical limitations, and the vulnerable elderly.

For each competency statement, the corresponding Commission on Dental Accreditation (CODA) standard is shown in parentheses following the competency statement.

Master of Health Innovation and Design

Overview

Program Description

The Master of Health Innovation and Design is a 30-credit graduate degree that prepares students to identify healthcare challenges and design practical, innovative solutions. The program integrates health systems knowledge, human-centered design, biomedical innovation and implementation science. The degree is structured around two concentrations, Global and Underserved Health Systems and Medical Device Innovation, reflecting the complexity of today's healthcare environment across both resource-rich and resource-limited settings. Each concentration combines coursework, immersive experiences and an innovation project.

Students complete a shared core, concentration coursework and a capstone project. Graduates are prepared to design, develop and implement innovations that improve quality of life and advance health equity in local and global communities.

College

College of Graduate Studies

Program Level

Graduate

Degree Requirements

Simple Requirements

Catalog Year 2026-2027

Type

Completion Requirement

Core Courses

Complete ALL of the following Courses:

- GLBH 60801 - Medical Innovation in Underserved and Global Health
- GLBH 60802 - Understanding Health Systems: Quality Value Cost
- HID 60813 - Bioinnovation I
- HID 60814 - Bioinnovation II
- RES 60896 - Capstone

Statistical Methods Courses

Earn at least 3 credits from the following:

- DATA 60408 - Statistical Methodology in the Biomedical Sciences
- DATA 60904 - Statistical Methodology for Biomedical Sciences I

Global and Underserved Health Systems Concentration

Complete ALL of the following Courses:

- GLBH 60803 - Principles in Digital Health Innovation
- GLBH 60805 - Immersion in Global Health and Underserved Health

Medical Device Innovation Concentration

Complete ALL of the following Courses:

- HID 60815 - Medical Device Prototyping I
- HID 60816 - Medical Device Prototyping II
- RES 60818 - Innovation Capstone

Elective Credits

Earn at least 5 credits from the following:

- BMS 60303 - Research Writing for Scholarship
- BMS 60301 - Responsible Conduct of Research
- BMS 60521 - Academic and Professional Development
- BMS 60522 - Essentials for Success in Medicine
- DATA 60907 - Statistical Methodology for Biomedical Sciences II
- GLBH 60810 - Program Planning and Design
- HSMG 60704 - Population, Public and Determinants of Health
- RES 60817 - Innovation Research

Dual Enrolled Students

Dual enrolled students can utilize shared credits upon approval from Program Director.

Program Objectives

HID PROGRAM OBJECTIVES

PO-1	Apply human-centered design to conceptualize, design, implement, and evaluate health innovations
PO-2	Demonstrate competency in intellectual property, value creation, and business strategy
PO-3	Conduct research, investigate funding, and communicate scientific and technical findings
PO-4	Understand health systems, care delivery, and the role of innovation in improving outcomes
Concentration 1- Global and Underserved Health Systems	
PCO1-1	Develop digital and data-driven health interventions
PCO1-2	Design education and knowledge-transfer solutions for underserved populations
PCO1-3	Apply social entrepreneurship to address health inequities
PCO1-4	Implement scalable, sustainable interventions in diverse populations
Concentration 2 - Medical Device Innovation	
PCO2-1	Identify and Prioritize Clinical Needs
PCO2-2	Design, Prototype, and Validate Medical Solutions
PCO2-3	Navigate Medical Device Translation and Commercialization
PCO2-4	Lead Interdisciplinary Innovation and Venture Development

Master of Arts in Medical Ethics & Humanities

Overview

Program Description
The Master of Arts in Medical Ethics and Humanities is designed for healthcare professionals and students who wish to explore the value and meaning of medicine from a multi-disciplinary perspective, deepen their medical knowledge and skills in trained health professions, become social science and humanities researchers, and enhance patient, family and community care through advanced graduate education and narrative-based approaches to health care delivery.

College
College of Graduate Studies

Program Level
Graduate

Degree Requirements

Degree Completion Requirements
Students learn to critically examine issues and values relevant to healthcare delivery, research, and the healthcare organization. This course of study is ideal for busy medical professionals and students pursuing clinical and community-based work. This 30-credit program can be completed within 1-year, attending full-time taking 16-credits in Fall and 14-credits in Spring. See table below for an overview of curricular requirements.

Simple Requirements

Catalog Year 2026-2027

Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:
- ETH 60304 - Clinical Ethics: Research, Policy & Practice
- ETH 60305 - Organizational Ethics
- ETH 60321 - Healthcare Law and Ethics
- HUM 60319 - Health Humanities as Craft
- HUM 60320 - Topics in Medical Humanities
- BMS 60303 - Research Writing for Scholarship

Master Thesis

Complete ALL of the following Courses:
- RES 60398 - Master’s Thesis I
- RES 60399 - Master’s Thesis II

Elective Courses

Earn at least 7 credits from the following:
- ETH 60308 - Health Care Justice
- ETH 60311 - Psychiatric Ethics
- ETH 60312 - Primary Care Ethics
- ETH 60315 - Surgical Ethics
- HUM 60307 - Invalid Women
- HUM 60322 - Health Humanities Immersion
- BMS 60301 - Responsible Conduct of Research

- BMS 60521 - Academic and Professional Development
- BMS 60522 - Essentials for Success in Medicine

Dual Enrolled Additional Elective Options

Complete ANY of the following Courses:

- GMED 84000 - Clinical Epilogue and Capstone
- RES 84001 - Med Ethics and Humanities Res

Program Objectives

1. TO PROVIDE A COMPREHENSIVE, ACADEMIC OPPORTUNITY FOR STUDENTS AND HEALTHCARE PROFESSIONALS THROUGHOUT NORTHEAST OHIO WHO AIM TO:	
1.1	Understand and conceptualize medicine from different perspectives and disciplines
1.2	Gain a deeper understanding of the other (patient, family, community) in relation to the self through narrative as it is constructed and deconstructed
1.3	Recognize, resolve, and reflect challenging issues or problems that arise in the clinical setting
2. TO CREATE A COMMUNITY OF EDUCATORS AND PRACTITIONERS WHOSE MISSION IS TO PROVIDE EDUCATIONAL AND EXPERIENTIAL OPPORTUNITIES IN ETHICS AND THE HUMANITIES TO:	
2.1	Deepen medical knowledge and skills and enhance patient care
2.2	Train students to be social science and humanities researchers
2.3	Initiate early training of clinical ethics consultations, committee work, and policy development and implementation.

Doctor of Medicine

Overview

Program Description

NEOMED's Doctor of Medicine (MD) program is designed to cultivate the qualities most valued in physicians: competence, communication, compassion, curiosity, character, and a deep commitment to community. The 4-year curriculum integrates the behavioral, biological, clinical, community health and social sciences with the humanities to prepare students for the practice of medicine. Students are equipped with a deep understanding of how these disciplines intersect to influence patient care and health outcomes. Following matriculation, students have an opportunity to apply for acceptance and participation in a 3-year Accelerated Family Medicine Program. Students in this program achieve the same programmatic requirements as students in the traditional 4-year program, but at an accelerated 3-year pace with special emphasis on family medicine.

College

College of Medicine

Program Level

Professional

Curriculum Information

The curriculum of the College of Medicine is based on the Educational Program Objectives with a focus on competency outcomes in the eight areas of patient care, knowledge for practice, practice-based learning and improvement, interpersonal and communication skills, professionalism, systems-based practice, interprofessional collaboration, and personal and professional development. The curriculum is structured in such a way that all program objectives are intentionally integrated throughout the curriculum with emphasis placed on the expectation of developmental progression as students advance from year to year. NEOMED's curricular design for the MD degree prioritizes students learning and success by focusing on active learning and frequent assessment and feedback, as well as diverse options for clinical throughout all four years. Curriculum Blueprint Details

Students may choose to complete an additional degree or certificate from the College of Graduate Studies (COGS) while enrolled in the MD program. Please see COGS sections for more information.

First-Year Curriculum (M1)

Instruction in the basic medical science courses emphasizes foundations of structure and function of the human body, the mechanisms by which these are maintained, and the factors leading to injury and disease. While the sequential basic science courses focus on medical knowledge competencies, a parallel sequence of practice of medicine courses are designed to develop other important competencies, such as patient care and communication skills, practice-based learning and improvement, systems-based and interprofessional practice, personal and professional development, and human values in medicine.

Second-Year Curriculum (M2)

The second year emphasizes the fundamentals of clinical medicine and continues the biomedical science and practice of medicine parallel course series. The curriculum and educational activities cover material in body system modules and concentrate on basic pathophysiologic processes and the mechanisms underlying clinical signs and disease. The curriculum starts to shift emphasis from basic knowledge to more patient-centered applications by increasing hands-on experience in labs, hospitals and community settings, as well as the simulation center where students interact with standardized or

simulated patients as well as actual patients. Students attend classes at the Rootstown Campus and at the community-based clinical teaching sites where small group teaching takes place.

Third-Year Curriculum (M3)

The third year of medical school provides theoretical and practical foundations in the clinical disciplines. Working with clinical faculty and residents in affiliated hospitals, students learn diagnostic and therapeutic skills, gain experience in patient management and examine the ethical dilemmas of contemporary medicine. Faculty physicians regularly provide special teaching sessions appropriate to the learning level of medical students. In each of the seven clerkships, students spend time in hospitals, private offices and clinics and study with a primary focus on the specific patients they encounter. They become junior members of clinical teams, gradually taking on active roles in support of the faculty, residents, nurses, and other healthcare team members. The third year is a demanding, full-time clinical experience, requiring students to apply the education they gained in the the first two years.

Fourth Year Curriculum (M4)

The fourth year emphasizes the transition to more independent clinical practice. Guided by advisors and working within a set of programmatic requirements, senior medical students personalize their schedules based on their educational and career goals. Over the year, students take at least six, four-week core rotations and electives, two online courses (one focused on quality improvement and the other on social determinants of health), a Clinical Epilogue and Capstone course, and a longitudinal Transformational Leadership course.

Degree Maps

Degree Completion Requirements

The granting of the MD degree is contingent upon the approval by the Board of Trustees as recommended by the COM CAPP, Office of the University Registrar, and the COM Dean. COM Academic Promotion, Progression and Graduation Requirements Policy

The recommendation of COM CAPP is based upon the following criteria:

1. All students in the College of Medicine must achieve at least a passing grade in all courses and complete all curricular requirements required by the faculty for the MD degree.
2. All students are required to take Step 1 and Step 2 CK of the USMLE and achieve a passing score on these examinations as determined by the National Board of Medical Examiners (NBME).
3. All students must demonstrate consistent and ongoing professional behaviors as outlined in the Student Honor Code and the COM educational program objectives.
4. Failure to meet any of the standards of the College will result in remedial or other actions, including delayed graduation and dismissal.

The recommendation of the Office of the University Registrar is based upon the following criteria:

1. A completed degree audit of all required courses/exams;
2. An absence of any outstanding library materials or fines;
3. A completed Financial Aid exit counseling session and all associated documentation; and
4. Being in good standing with Student Accounts/Bursar.

Degree Map Name
M3/M4 AFMP - Class of 2027
Total Degree Map Credits
58.5
Degree Map Effective Catalog Year
2027 -

Year	Semester	Credits	Progress Credits
Full Year	-	58.5	0

Requirement Select
- GMED 83000 - Prerequisite to the Clinical Curriculum

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4
Progress Credits	-
Contact Hours	63
Clinical	-
Criticality	No

Requirement Select
- IMED 83001 - Internal Medicine Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	10
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- SURG 83002 - Surgery Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- OBGY 83003 - Obstetrics and Gynecology Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PEDS 83004 - Pediatrics Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PSYC 83005 - Psychiatry Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- FMCM 83006 - Family Medicine Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- EMED 83007 - Emergency Medicine Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- GMED 84000 - Clinical Epilogue and Capstone

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4.5
Progress Credits	-
Contact Hours	67.5
Clinical	-
Criticality	No

Requirement Select
- IMED 84001 - Medical Intensive Care

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4
Progress Credits	-
Contact Hours	180
Clinical	-
Criticality	No

Requirement Select
- FMCM 84003 - Family Medicine - Outpatient

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4
Progress Credits	-
Contact Hours	180
Clinical	-
Criticality	No

Requirement Select
- MEDC 84011 - Transformational Leadership in Healthcare I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	7
Clinical	-
Criticality	No

Requirement Select
- MEDC 84012 - Transformational Leadership in Healthcare II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	7
Clinical	-
Criticality	No

Requirement Select
- MEDC 84013 - Transformational Leadership in Healthcare III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	7
Clinical	-
Criticality	No

Requirement Select
- MEDC 83007 - Practice of Medicine VII

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- MEDC 83008 - Practice of Medicine VIII

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- MEDC 83009 - Practice of Medicine IX

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	7
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Degree Map Name
M2 AFMP - Class of 2028
Total Degree Map Credits
38.5
Degree Map Effective Catalog Year
2027 -

Year	Semester	Credits	Progress Credits
M2FM	Summer	11.5	0

Requirement Select
- FMCM 72150 - Primary Care Delivery Systems

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	6
Progress Credits	-
Contact Hours	207
Clinical	-
Criticality	No

Requirement Select
- MEDC 72101 - Diagnosis and Treatment I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	42
Clinical	-
Criticality	No

Requirement Select
- MEDC 72102 - Practice of Medicine IV

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	21
Clinical	-
Criticality	No

Requirement Select
- FMCM 84001 - Quality Improvement

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	20
Clinical	-
Criticality	No

Requirement Select
- FMCM 84002 - Social Determinants of Health

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
M2FM	Fall	15.5	0

Requirement Select
- MEDC 72201 - Diagnosis and Treatment II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	12
Progress Credits	-
Contact Hours	177
Clinical	-
Criticality	No

Requirement Select
- MEDC 72202 - Practice of Medicine V

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3.5
Progress Credits	-
Contact Hours	51.5
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
M2FM	Spring	11.5	0

Requirement Select
- MEDC 72301 - Diagnosis and Treatment III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	7.5
Progress Credits	-
Contact Hours	112
Clinical	-
Criticality	No

Requirement Select
- MEDC 72302 - Practice of Medicine VI

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	37.5
Clinical	-
Criticality	No

Requirement Select
- MEDC 72303 - Applied and Integrated Medical Science

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	24
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Degree Map Name
M4 - Class of 2027
Total Degree Map Credits
31 - 31.5
Degree Map Effective Catalog Year
2027 -

Degree Map Narrative

GMED 84000 credit change

Year	Semester	Credits	Progress Credits
M4	Full Year	31 - 31.5	0

Requirement Select
- M4 Rotations

Notes

Notes	Minimum of 6 rotations of four-weeks each: 1 sub-internship, 1 critical care and at least 4 electives, in areas of student interest with up to 2 being non-patient care.
Minimum Grade	-
Area	-
Credits	24
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- FMCM 84001 - Quality Improvement

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	20
Clinical	-
Criticality	No

Requirement Select
- FMCM 84002 - Social Determinants of Health

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- MEDC 84011 - Transformational Leadership in Healthcare I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	7
Clinical	-
Criticality	No

Requirement Select
- MEDC 84012 - Transformational Leadership in Healthcare II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	7
Clinical	-
Criticality	No

Requirement Select
- MEDC 84013 - Transformational Leadership in Healthcare III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	7
Clinical	-
Criticality	No

Requirement Select
- GMED 84000 - Clinical Epilogue and Capstone

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4.5
Progress Credits	-
Contact Hours	67.5
Clinical	-
Criticality	No

Requirement Select
- M4 Opt-Out Available Course

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0 - 0.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Degree Map Name
M3 - Class of 2028
Total Degree Map Credits
44.5 - 49
Degree Map Effective Catalog Year
2027 -

Year	Semester	Credits	Progress Credits
M3	Full Year	44.5 - 49	0

Requirement Select
- GMED 83000 - Prerequisite to the Clinical Curriculum

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4
Progress Credits	-
Contact Hours	63
Clinical	-
Criticality	No

Requirement Select
- IMED 83001 - Internal Medicine Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	10
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- SURG 83002 - Surgery Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- OBGY 83003 - Obstetrics and Gynecology Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PEDS 83004 - Pediatrics Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PSYC 83005 - Psychiatry Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- FMCM 83006 - Family Medicine Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- EMED 83007 - Emergency Medicine Clerkship

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- MEDC 83007 - Practice of Medicine VII

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- MEDC 83008 - Practice of Medicine VIII

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- MEDC 83009 - Practice of Medicine IX

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	7
Clinical	-
Criticality	No

Requirement Select
- M3 Opt-Out Available Courses

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0 - 4.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Degree Map Name
M2 - Class of 2029
Total Degree Map Credits
31.5
Degree Map Effective Catalog Year
2027 -

Year	Semester	Credits	Progress Credits
M2	Summer	4.5	0

Requirement Select
- MEDC 72101 - Diagnosis and Treatment I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	42
Clinical	-
Criticality	No

Requirement Select
- MEDC 72102 - Practice of Medicine IV

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	21
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
M2	Fall	15.5	0

Requirement Select
- MEDC 72201 - Diagnosis and Treatment II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	12
Progress Credits	-
Contact Hours	177
Clinical	-
Criticality	No

Requirement Select
- MEDC 72202 - Practice of Medicine V

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3.5
Progress Credits	-
Contact Hours	51.5
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
M2	Spring	11.5	0

Requirement Select
- MEDC 72301 - Diagnosis and Treatment III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	7.5
Progress Credits	-
Contact Hours	112
Clinical	-
Criticality	No

Requirement Select
- MEDC 72302 - Practice of Medicine VI

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	37.5
Clinical	-
Criticality	No

Requirement Select
- MEDC 72303 - Applied and Integrated Medical Science

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	24
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Degree Map Name
M1 - Class of 2030
Total Degree Map Credits
37
Degree Map Effective Catalog Year
2027 -

Year	Semester	Credits	Progress Credits
M1	Summer	6	0

Requirement Select
- MEDC 71101 - Foundations of Medicine

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4.5
Progress Credits	-
Contact Hours	66
Clinical	-
Criticality	No

Requirement Select
- MEDC 71102 - Practice of Medicine I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	24.5
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
M1	Fall	14	0

Requirement Select
- MEDC 71201 - Body and Brain

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	6.5
Progress Credits	-
Contact Hours	97
Clinical	-
Criticality	No

Requirement Select
- MEDC 71202 - Practice of Medicine II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	37
Clinical	-
Criticality	No

Requirement Select
- MEDC 71203 - Cardiovascular, Pulmonary, Renal

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	74
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
M1	Spring	15.5	0

Requirement Select
- MEDC 71301 - Gastrointestinal, Reproductive and Endocrine Systems

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4.5
Progress Credits	-
Contact Hours	67
Clinical	-
Criticality	No

Requirement Select
- MEDC 71302 - Practice of Medicine III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	49.25
Clinical	-
Criticality	No

Requirement Select
- MEDC 71303 - Infectious Disease and Immunity

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	74
Clinical	-
Criticality	No

Requirement Select
- MEDC 71304 - Foundations of Disease and Treatment

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	43
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
M1	May Intersession	1.5	0

Requirement Select
- MEDC 71402 - M1 Capstone

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	24
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Program Objectives

The goal of the educational program at the College of Medicine is to graduate qualified physicians oriented to the practice of medicine at the community level, with an emphasis on primary care. Graduates must demonstrate the biomedical, psychosocial, and cultural knowledge, skills, and values needed to practice successfully and to fulfill their responsibilities to their patients and their communities. These overall objectives of the educational programs cover the broad outcomes we expect of all students before their graduation. Course goals and objectives further define overall programmatic expectations. Based on the general physician competencies specified by the Association of American Medical Colleges, the NEOMED College of Medicine program goals expect that all graduates will:

1. PATIENT CARE	
1.1	Obtain a thorough and accurate patient-centered medical and psychosocial history.
1.2	Perform an appropriately focused physical exam, recognizing and documenting important normal and abnormal findings.
1.3	Develop a differential diagnosis around presenting problems and prioritize further diagnostic testing.
1.4	Develop an effective treatment and/or wellness management plan, taking into account patient needs.
2. KNOWLEDGE FOR PRACTICE	
2.1	Apply knowledge of biomedical, clinical, epidemiological, and social-behavioral sciences to address preventive care, diagnosis, and management of medical problems.
2.2	Examine established and emerging bio-physical scientific principles fundamental to health care for patients and populations.
2.3	Demonstrate knowledge of scientific principles and mechanisms that regulate normal and abnormal processes underlying patient health.
3. PRACTICE-BASED LEARNING AND IMPROVEMENT	
3.1	Critically evaluate appropriate scientific studies to improve patient care.
3.2	Use quality improvement methods to define, measure, analyze, and implement effective changes for practice improvement.
4. INTERPERSONAL AND COMMUNICATION SKILLS	
4.1	Identify and address potential barriers to communication with patients, families, and colleagues, including linguistic, educational, and cultural diversity, the psychosocial determinants of health, and patient/family preferences.
4.2	Engage in empathetic, honest, and bi-directional communication with patients and families to enable better understanding, participation, and shared decision-making in care.
5. PROFESSIONALISM	
5.1	Demonstrate personal integrity by displaying consideration, compassion, and honesty with colleagues, patients, and their families.
5.2	Fulfill commitments to one’s own profession by demonstrating punctuality, accountability, respectful self-presentation, and behavior in both clinical and academic environments.
5.3	Demonstrate ethical behavior by respecting patient autonomy, privacy, and dignity.
6. SYSTEMS-BASED PRACTICE	
6.1	Demonstrate knowledge of the U.S. health care system and political, cultural, economic, and social factors impacting the health and well-being of patients.
6.2	Coordinate and advocate for a variety of resources (including community resources) to assist patients in accessing high-value, quality care.
6.3	Evaluate the risks and benefits of using current and emerging technologies in patient care.
7. INTERPROFESSIONAL COLLABORATION	
7.1	Communicate clearly, respectfully, and completely with the interprofessional health care team in both written, verbal, and electronic forms to exchange information and to minimize medical errors.
7.2	Collaborate effectively to provide a team-based approach to efficient, safe, and equitable patient care.
7.3	Demonstrate an understanding of team dynamics and leadership skills that support and enhance interprofessional collaboration and team functioning.
8. PERSONAL AND PROFESSIONAL DEVELOPMENT	
8.1	Identify learning goals and seek feedback that supports ongoing professional development.
8.2	Demonstrate professional development through engagement and self-reflection.
8.3	Identify personal wellness goals that support ongoing personal development.

Master in Foundations of Medicine

Overview

Program Description
The Master in Foundations of Medicine degree program provides an immersive graduate level education in the anatomical sciences. This program combines first year medicine curriculum with enhanced coursework in biomedical sciences and biomedical imaging. The Master in Foundations of Medicine program is a 30-credit program designed for students interested in attending medical school. The program introduces students to fundamental concepts in the biomedical sciences by combining aspects of the first-year medicine curriculum with enhanced coursework and clinical experiences in biomedical imaging. Students complete an anatomy-lab based project that integrates basic science material with imaging technologies.

College
College of Graduate Studies

Program Level
Graduate

Degree Requirements

Degree Completion Requirements
This 30-credit program is designed to be completed in one (1) academic year. The program provides students with integrated aspects of first-year medicine curriculum with enhanced coursework and clinical experiences in biomedical imaging.

Simple Requirements

Catalog Year 2026-2027

Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:

- BMS 60519 - Medical Science I
- BMS 60515 - Body Systems Integration I
- BMS 60516 - Body Systems Integration II
- BMS 60521 - Academic and Professional Development
- BMS 60517 - Body Systems Integration III
- BMS 60520 - Medical Sciences II
- BMS 60522 - Essentials for Success in Medicine
- RES 60596 - Capstone

Program Objectives

1.	Promote mastery of the basic science information required for success in future healthcare education and careers.
2.	Develop a working understanding of the primary imaging modalities used in healthcare delivery.
3.	Provide an experiential anatomy-lab based capstone project that integrates basic science material with imaging technologies.
4.	Foster a personal sense of capability and achievement through participating in medical school coursework alongside current medical students.

Master of Medical Science in Anesthesia

Overview

Program Description
The MMSc-A program is a 28-month program designed to provide students with the education required to deliver safe, patient-centered anesthetic care as a Certified Anesthesiologist Assistant (CAA). CAAs are highly skilled healthcare professionals who work under physician anesthesiologists to care for patients as active members of the anesthesia care team. The program uses state of the art, high-fidelity simulation, an innovative didactic curriculum, and hands-on clinical experiences to ensure students are equipped to provide safe, patient-centered anesthetic care for patients locally and across the country.

College
College of Graduate Studies

Program Level
Graduate

Degree Maps

Degree Completion Requirements
This program is a 28-month program. Students are required to complete 111 semester credits. The program is designed to provide students with the didactic, clinical and simulation education required to deliver safe, patient-centered anesthetic care as a Certified Anesthesiologist Assistant (CAA). Upon completion of this program, students are eligible to take a certification exam administered by the National Commission for Certification of Anesthesiologist Assistants (NCCAA).

Degree Map Name
Class of 2029
Total Degree Map Credits
110
Degree Map Effective Catalog Year
2027 -

Year	Semester	Credits	Progress Credits
Year 1	Spring	18	0

Requirement Select
- ANES 60601 - Clinical Experience I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- ANES 60602 - Introduction to Simulation

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	45
Clinical	-
Criticality	No

Requirement Select
- ANES 60603 - Anesthesia Seminar

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- ANES 60604 - Introduction to Anesthesia

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4
Progress Credits	-
Contact Hours	60
Clinical	-
Criticality	No

Requirement Select
- ANES 60605 - Human Anatomy and Lab

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	75
Clinical	-
Criticality	No

Requirement Select
- ANES 60606 - Human Physiology I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	45
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
Year 1	May Intersession	3	0

Requirement Select
- ANES 60607 - EKG

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- ANES 60608 - Simulation II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- ANES 60609 - Clinical Experience II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
Year 2	Summer	17	0

Requirement Select
- ANES 60620 - Clinical Experience III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- ANES 60621 - Simulation III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	45
Clinical	-
Criticality	No

Requirement Select
- ANES 60603 - Anesthesia Seminar

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- ANES 60623 - Anesthesia Practice and Principles I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- ANES 60624 - Instrumentation and Monitoring

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- ANES 60625 - Anesthesia Non-Technical Skills

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- ANES 60626 - Pharmacology I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	45
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
Year 2	Fall	18	0

Requirement Select
- ANES 60627 - Clinical Experience IV

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- ANES 60628 - Simulation IV

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	45
Clinical	-
Criticality	No

Requirement Select
- ANES 60603 - Anesthesia Seminar

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- ETH 60321 - Healthcare Law and Ethics

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	30
Clinical	-
Criticality	No

Requirement Select
- ANES 60631 - Anesthesia Practice and Principles II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	45
Clinical	-
Criticality	No

Requirement Select
- ANES 60632 - Pharmacology II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	45
Clinical	-
Criticality	No

Requirement Select
- ANES 60633 - Human Physiology II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	45
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
Year 2	Spring	13	0

Requirement Select
- ANES 60634 - Clinical Experience V

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	11
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- ANES 60603 - Anesthesia Seminar

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- ANES 60630 - Innovations in Healthcare

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
Year 2	May Intersession	1	0

Requirement Select
- ANES 60638 - Clinical Experience VI

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
Year 3	Summer	12	0

Requirement Select
- ANES 60660 - Clinical Experience VII

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	10
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- ANES 60603 - Anesthesia Seminar

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- ANES 60630 - Innovations in Healthcare

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
Year 3	Fall	15	0

Requirement Select
- ANES 60664 - Clinical Experience VIII

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	11
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- ANES 60603 - Anesthesia Seminar

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- ANES 60630 - Innovations in Healthcare

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- ANES 60635 - Simulation V

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- ANES 60673 - Special Topics in Anesthesia

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
Year 3	Spring	13	0

Requirement Select
- ANES 60668 - Clinical Experience IX

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	10
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- ANES 60603 - Anesthesia Seminar

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- ANES 60630 - Innovations in Healthcare

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- ANES 60671 - Senior Project

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Program Objectives

1. Medical Sciences Knowledge	Cognitive (Knowledge)	
2. Practice Based Learning	Psychomotor (Skills)	
3. Patient Centered Care	Affective (Behavior)	
4. Professionalism and Leadership	Affective (Behavior)	

Master of Public Health

Overview

Program Description
The Master of Public Health (M.P.H.) degree program is a consortium program with Cleveland State University, NEOMED, The University of Akron, and Youngstown State University. This program is geared toward the working professional who would like to broaden his or her role in improving community health, enhance current job skills or seek career advancement. In the 42-semester credit hour generalist track, students take foundational courses in biostatistics, epidemiology, social and behavioral sciences, health services administration, policy and environmental sciences, and general public health concepts. The track courses focus on grant writing, application of cross-cutting concepts in public health settings, and research and evaluation. Advisors help students select electives in their interest areas. Students also complete an integrative project with a community agency.

College
College of Graduate Studies

Program Level
Graduate

Degree Requirements

Degree Completion Requirements
Students are required to complete 42 semester credits with a minimum cumulative grade point average of 3.0. This is a nontraditional program for working professionals who would like to broaden their role in improving community health, enhance current job skills or seek career advancement.

Simple Requirements

Catalog Year 2026-2027

Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:
- PUBH 60201 - Public Health Concepts
- PUBH 60202 - Social and Behavioral Sciences in Public Health
- PUBH 60203 - Epidemiology in Public Health
- PUBH 60204 - Biostatistics in Public Health
- PUBH 60205 - Health Services Administration in Public Health
- PUBH 60206 - Policy and Environmental Sciences in Public Health

Capstone

Complete ALL of the following Courses:
- PUBH 60298 - Capstone Project I
- PUBH 60299 - Capstone Project II

Generalist Track Courses

Complete ALL of the following Courses:
- PUBH 60207 - Grant Writing for Public Health Practice
- PUBH 60208 - Public Health Practice and Issues

- PUBH 60209 - Public Health Research & Evaluation

Elective Courses

Earn at least 9 credits from the following:

- GLBH 60802 - Understanding Health Systems: Quality Value Cost
- PUBH 60297 - Practicum
- PUBH 60294 - Independent Study in Public Health

COGX 6095X Cross-Registered: electives through partner universities

Program Objectives

Foundational Knowledge Area K-1	Explain public health history, philosophy and values
Foundational Knowledge Area K-2	Identify the core functions of public health and the 10 Essential Services
Foundational Knowledge Area K-3	Explain the role of quantitative and qualitative methods and sciences in describing and assessing a population's health
Foundational Knowledge Area K-4	List major causes and trends of morbidity and mortality in the US or other community relevant to the school or program
Foundational Knowledge Area K-5	Discuss the science of primary, secondary and tertiary prevention in population health, including health promotion, screening, etc.
Foundational Knowledge Area K-6	Explain the critical importance of evidence in advancing public health knowledge
Foundational Knowledge Area K-7	Explain effects of environmental factors on a population's health
Foundational Knowledge Area K-8	Explain biological and genetic factors that affect a population's health
Foundational Knowledge Area K-9	Explain behavioral and psychological factors that affect a population's health
Foundational Knowledge Area K-10	Explain the social, political and economic determinants of health and how they contribute to population health and health inequities
Foundational Knowledge Area K-11	Explain how globalization affects global burdens of disease
Foundational Knowledge Area K-12	Explain an ecological perspective on the connections among human health, animal health and ecosystem health (eg, One Health)

Master of Science in Basic and Translational Biomedicine

Overview

Program Description
The Basic and Translational Biomedicine (BTB) Graduate Program is a 36-credit Master of Science. Designed to educate and develop students into leading independent scientists, scholars, and innovators. The program offers exceptional training opportunities in the basic and applied health sciences with nationally and internationally recognized faculty across the following focus areas: neurodegenerative diseases; heart and blood vessel disease; auditory neuroscience; musculoskeletal; diabetes, obesity, and metabolism.

College
College of Graduate Studies

Program Level
Graduate

Curriculum Information

TWO DEGREE OPTIONS

Based on career goals, students choose from **two options** to complete the program:

- Master of Science (Thesis)
- Master of Science (Capstone)

Regardless of the chosen track, students will be prepared to work in solution-driven roles across academic, industry and regulatory settings, addressing evolving healthcare needs through discovery and innovation.

Degree Requirements

Degree Completion Requirements
The Master of Science Research is a 36-credit hour program. Students can select between a capstone or thesis project. This degree can be completed within 1 year, when attending full-time taking 18 credits in both Fall and Spring terms. The capstone option is recommended for students interested in the 1-year program. The thesis option is recommended for part-time students wishing to take longer to complete the program. See table below for an overview of curricular requirements.

NON-CURRICULAR DEGREE REQUIREMENTS

ADVISOR SELECTION

By the end of the first semester students must submit a written request to the Program Director asking to be assigned to a major advisor. The major advisor's written agreement to accept the student should accompany the written request to the Program Director. Once the request has been approved, the advisor will help the student create a plan of study suited to their research interests as well as serve as the chair of the student's thesis committee.

ADVISORY COMMITTEE SELECTION

Upon approval, the advisor and the student should select a team of committee members. Two (2) Graduate Faculty members should be selected for master's thesis. For a total of three (3) members including the primary advisor.

THESIS DEFENSE

The thesis defense is the culminating experience in which a student presents and demonstrates their research accomplishments. It also provides the faculty committee an opportunity to determine whether the student has achieved the level of scholarship expected for the degree.

The defense consists of two components:

1. A 30-minute public presentation of the student's research.
2. A committee-led oral examination.

The oral examination includes two rounds of questioning by the thesis committee. Each committee member (three members total) is allotted 10–15 minutes of questioning per round, resulting in approximately 30 minutes of questioning per round.

Following the examination, the committee deliberates and determines whether the student has successfully defended the thesis.

- If the defense is successful, each committee member signs the Thesis Defense Signature Form.
- If the defense is unsuccessful, the committee will determine the appropriate next steps, including any required revisions and the timeline for a subsequent defense attempt.

For additional information regarding the thesis defense format, policies, and timeline, please contact the Program Director.

Simple Requirements

Catalog Year 2026-2027

Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:

- BMS 60404 - Research Methods
- DATA 60408 - Statistical Methodology in the Biomedical Sciences
  OR DATA 60904 - Statistical Methodology for Biomedical Sciences I

Elective and Reseach Courses

Earn at least 27 credits from the following:

- BMS 60401 - Drug Discovery, Development and Approval
- BMS 60402 - Career and Professional Development Seminar
- BMS 60405 - Foundational Techniques in Biomedical Research
- BMS 60407 - Molecular Pharmacology
- BMS 60409 - Cellular and Molecular Signaling
- BMS 60416 - Bootcamp for Basic Scientists
- BMS 60417 - Current Trends in Cardiovascular Sciences
- BMS 60418 - Emerging Concepts in Diabetes and Obesity
- BMS 60419 - Molecular Cardiovascular Science
- BMS 60420 - Advanced Cardiovascular Physiologyand Pathophysiology
- BMS 60421 - Mitochondrial Metabolism and Redox Signal
- BMS 60422 - Cellular and Molecular Neuroscience
- BMS 60423 - Current Trends in Neuroscience
- BMS 60424 - Neuroscience Systems
- BMS 60425 - Current Research in Auditory Neurobiology
- BMS 60431 - Foundations in Neuroscience
- BMS 60432 - Biomedical Microscopy and Imaging
- BMS 60433 - Grant Writing
- BMS 60434 - Histology
- BMS 60435 - Medical Gross Anatomy and Embryology

- BMS 60521 - Academic and Professional Development
- BMS 60522 - Essentials for Success in Medicine
- DATA 60907 - Statistical Methodology for Biomedical Sciences II
- RES 60497 - Research

College of Pharmacy courses (approval required)

Required Capstone or Thesis Credits

Earn at least 3 credits from the following:

- RES 60496 - Capstone
- RES 60498 - Thesis Research

Program Objectives

Objective 1

Comprehensive knowledge of research science with expertise in one of NEOMED 6 research tracks:

- **Pharmaceutical Sciences:** A thorough knowledge of the pharmaceutical sciences with research emphasis in a chosen area of expertise or specializations such as drug design and discovery, pharmaceutics (dosage form development, drug delivery and drug formulation), pharmacologic and toxicologic evaluation of drugs, disease mechanisms, and development/use of disease models for research.
- **Metabolic Disease:** A thorough knowledge of metabolic-related disease, necessary to engage in hypothesis-driven research into the mechanisms of metabolic disease, diabetes, or obesity.
- **Cardiovascular Disease:** A thorough knowledge of cardiovascular disease, necessary to undertake hypothesis-driven research into the mechanisms of heart disease, hypertension, stroke, and heart failure.
- **Skeletal Disease:** A thorough knowledge of bone and tissue regrowth, necessary to undertake hypothesis-driven research into the mechanisms of debilitating conditions such as arthritis, cancer, osteoporosis and bone fractures.
- **Neurodegenerative Disease:** A thorough knowledge of degenerative diseases of the central nervous system, necessary to undertake hypothesis-driven research into the mechanisms of Parkinson's disease, Alzheimer's disease, glaucoma, and other neuropathies.
- **Auditory Neuroscience:** A thorough knowledge of sensory processing, necessary to undertake hypothesis-driven research to elucidate neural circuits that contribute to auditory processing, and to understand how disorders such as hearing loss, tinnitus, or emotional dysregulation affect the auditory system and perception of speech and the world around us.

Objective 2

Training consistent with students' career goals. This includes a focus on disease mechanisms and targets for therapeutic intervention.

Objective 3

A thorough knowledge of planning, organizing, and conducting independent research following the norms and standards of national research organizations, societies, government, and industry.

Objective 4

An ability to effectively communicate research findings to internal and external audiences, in oral and written form.

Objective 5

A thorough knowledge of methods to secure support and independent funding from government and private sources to conduct independent research.

Objective 6

A desire to remain immersed in the philosophy of life-long learning, and an appreciation of the importance to maintain and continually update their knowledge base.

Master of Science in Health Data Science and AI

Overview

Program Description

The Master of Science in Health Data Science and AI (HDSA) is a 30-credit graduate program designed to prepares traditional college students, medical professionals, and career changers. The program integrates data science, AI, and applications to improve health outcomes.

Students gain expertise in building skills in machine/deep learning, health informatics, and biostatistics while working with real healthcare datasets. The curriculum emphasizes computing, statistical methodology, data visualization, electronic health record analytics, and more.

The online program format fully supports both full-time students and working professionals. Graduates are prepared to improve health outcomes, reduce costs, and drive innovation across healthcare, biotech, pharma, and research organizations.

College

College of Graduate Studies

Program Level

Graduate

Curriculum Information

The curriculum consists of 27 credits of required core coursework and 3 credits of electives, culminating in a capstone or thesis experience.

The program is delivered in a fully asynchronous online format, allowing flexibility for working professionals. Select students pursuing the thesis option may engage in NEOMED-based or partner-supported research opportunities.

Degree Requirements

Simple Requirements

Catalog Year 2026-2027

Type

Completion Requirement

Core Courses

Complete ALL of the following Courses:

- DATA 60901 - Machine Learning
- DATA 60902 - Statistical Computing
- DATA 60903 - Data Visualization
- DATA 60904 - Statistical Methodology for Biomedical Sciences I
- DATA 60905 - Artificial Intelligence for Health Data
- DATA 60906 - Deep Learning
- DATA 60907 - Statistical Methodology for Biomedical Sciences II
- DATA 60908 - Electronic Health Records and Health Data

Capstone or Thesis

Earn at least 3 credits from the following:

- RES 60996 - Capstone
- RES 60998 - Thesis Research

Elective Courses

Earn at least 3 credits from the following:

- RES 60997 - Research
- BMS 60301 - Responsible Conduct of Research
- BMS 60404 - Research Methods
- BMS 60909 - Epidemiology

Program Objectives

1. Apply statistical and computational methods.
2. Develop and evaluate machine learning models.
3. Work with complex health data systems.
4. Design and critically evaluate health research.
5. Translate health data into actionable insights.
6. Conduct independent and collaborative research
7. Practice ethical and responsible AI.

Master of Science in Health Systems Science

Overview

Program Description
Master of Science in Health Systems Science is a 30-credit program designed to develop professionalism and leadership skills while advancing knowledge of health systems science. Students will learn to analyze the way care is delivered within a health care organization to improve patient care and maximize health.

College
College of Graduate Studies

Program Level
Graduate

Degree Requirements

Simple Requirements

Catalog Year 2026-2027

Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:

- ETH 60321 - Healthcare Law and Ethics
- DATA 60705 - Clinical Informatics and Technology
- HSMG 60701 - Systems Thinking
- HSMG 60702 - Health Care Structure and Processes
- HSMG 60703 - Health Care Policy and Economics
- HSMG 60707 - Health Care Optimization
- HSMG 60708 - Leadership and Teaming
- HSMG 60709 - Change Management
- HSMG 60710 - Integrated Experiential Capstone

Elective Courses

Earn at least 3 credits from the following:

- BMS 60521 - Academic and Professional Development
- BMS 60522 - Essentials for Success in Medicine
- HSMG 60704 - Population, Public and Determinants of Health

Program Objectives

Goal 1: Cultivating leadership, the learner will develop health leadership skills that will assist them in becoming effective, influential, and innovative leaders in the healthcare community.

1.1 Practice concepts of leadership and teaming, change management, and professionalism within healthcare environments.

1.2 Demonstrate awareness of how health care professionals work together to deliver that care.

1.3 Apply leadership concepts to inform transformation of care in care delivery systems.

Goal 2: Improving health care delivery, the learner will be able to utilize resources and data to positively impact the efficiency and effectiveness of the delivery of health care in the community.

2.1 Engage in an experiential exercise to identify and solve a health care delivery need.

2.2 Identify the ways in which health systems can improve care delivery and patient care to achieve the Triple Aim, enhancing quality, safety, access, and cost.

2.3 Demonstrate the ability to develop strategies and plans of action to support new high quality, contemporary, comprehensive health care services.

Goal 3: Examining health systems, the learner will investigate the structure and function of health systems, system drivers, and the transformation of care that affect health systems in our society.

3.1 Describe how care is delivered in various systems of care delivery.

3.2 Assess transformation of care in care delivery.

3.3 Identify the evolving roles of physician leaders and other healthcare professions leaders in informing and implementing patient-centric changes in care delivery.

3.4 Apply systems thinking knowledge, theory, and techniques to the interdependencies of healthcare and application to addressing complex dynamics of healthcare delivery.

Master of Science in Mental Health Practice

Overview

Program Description

The Master of Science in Mental Health Practice prepares graduates to serve as Certified Mental Health Assistants (CMHAs) working under physician supervision to support individuals experiencing mental illness and substance use disorders. The program combines rigorous classroom instruction with extensive hands-on clinical training in real-world healthcare settings.

Students develop skills in clinical reasoning, evidence-based practice, psychopharmacology and patient-centered care while working as part of physician-led multidisciplinary teams. Clinical experiences include inpatient psychiatric units, outpatient mental health clinics, primary care settings and community programs.

Graduates are prepared to expand access to mental health services in Ohio and work collaboratively with physicians and healthcare professionals to improve patient outcomes.

College

College of Graduate Studies

Program Level

Graduate

Degree Requirements

Simple Requirements

Catalog Year 2026-2027

Type

Completion Requirement

Spring 2027 Courses

Complete ALL of the following Courses:

- MHP 61001 - Anatomy, Physiology, and Pathology – General Systems
- MHP 61002 - Behavioral and Motivational Interviewing
- MHP 61004 - Patient Care I
- MHP 61005 - Anatomy, Physiology, and Pathology – Neurobiology
- MHP 61008 - Psychopharmacology I
- MHP 61015 - Patient Care Interactive Workshop

Credits Required for Program: 102

Future academic year courses are currently under development. Please refer to the curriculum plan linked below for additional information.

Certified Mental Health Assistant | Northeast Ohio Medical University | NEOMED

Program Objectives

1. Provide patient-centered mental health care under physician supervision.
2. Apply evidence-based psychiatric assessment and treatment principles.
3. Support safe medication management for mental health conditions.
4. Collaborate effectively within multidisciplinary care teams.
5. Expand access to behavioral health services in Ohio.

Learning Outcomes

Students will be able to:

1. Conduct comprehensive psychiatric assessments.
2. Apply psychopharmacologic principles safely under supervision.
3. Develop evidence-based treatment plans.
4. Demonstrate clinical reasoning in mental health care.
5. Deliver care across inpatient, outpatient and community settings.

Doctor of Pharmacy

Overview

Program Description
The College of Pharmacy offers an original and progressive curriculum that blends classroom and practice experiences to give graduates the knowledge, skills, and professional attitude to succeed as a pharmacist. Student centered learning is a critical component, as at least 30 percent of pharmacy courses are offered through active learning exercises. The pharmacy curriculum emphasizes the College's core values of excellence, innovation, respect, care, and collaboration and uniquely offers an education that optimizes interprofessional learning experiences. The curriculum is organized to give each year a central theme that serves as a foundation for each successive year. Courses are developed and integrated to establish the annual theme and to allow the opportunity for students to learn information in the classroom and then to apply that knowledge and to practice pharmacy skills in experiential sites.

College
College of Pharmacy

Program Level
Professional

Curriculum Information

Curricular Concentrations

Concentrations are available to students who wish to further develop skills in a certain area. It allows for the depth and growth of a particular interest during pharmacy school. There are currently three concentrations available, and they each require a unique blend of curricular coursework and co-curricular experiences. Students will receive a designation on their transcript/diploma upon completion of the concentration.

Areas of Concentration

Interprofessional Collaboration – The World Health Organization (WHO) and recognizes interprofessional collaboration in education and practice as an innovative strategy that will play a vital role in mitigating the global healthcare workforce crisis. Graduates who are collaborative practice-ready have a strong understanding of what it takes to successfully work in an interprofessional team, and they are ready day-one to do so. Preparing our pharmacy student graduates for this role is the mission of the NEOMED College of Pharmacy. This concentration will build upon the six required Interprofessional Education courses in the pharmacy curriculum using elective course work, co-curricular activities, involvement at interprofessional practice sites, and an interprofessional focused project. NEOMED has a network of interprofessional partners with a variety of opportunities designed to foster comprehensive development in interprofessional collaboration while allowing for individualization based on student interests.

Pharmacy Research – Pharmacists play an important role in clinical and industrial research to improve treatment outcomes. Pharmacy Research Curriculum Concentration is a research scholar program that aims to provide pharmacy students with research experience and to train their critical thinking, analytical, problem-solving, writing, and presentation skills. Students will conduct original research projects collaborating with a faculty member within the broad areas of basic research, clinical research, translational research, and literature analysis. Upon completion of the program, students will attain fundamental knowledge, skills, and experience that are essential to develop and conduct independent research. Under the supervision of faculty mentors, students will summarize and present original findings as poster or oral presentations at local/regional/national meetings. Students will work with faculty mentors to pursue publication of their findings from research projects in peer-reviewed publications of suitable scientific journals.

Patient Care – Pharmacist participation in direct patient care has expanded rapidly over the past five to ten years. This role involves pharmacists taking an active part in managing and optimizing medication therapies and health outcomes. This concentration will build upon the required curriculum by incorporating elective course work, co-curricular activities, involvement in health fairs and free clinics, and a patient care focused project to help students more smoothly transition into direct patient care roles upon graduation. This concentration includes three tracks students can select from: Inpatient Care; Ambulatory Care; and Community.

Degree Maps

Degree Completion Requirements
The granting of the Doctor of Pharmacy degree by Northeast Ohio Medical University is contingent upon the recommendation to the Board of Trustees by the Committee on Academic Progress and Promotion (CAPP) and the dean of the College.

- All students of the Northeast Ohio Medical University College of Pharmacy are required to achieve at least a passing grade in all courses required by the faculty for the awarding of the Doctor of Pharmacy degree. This includes completing 5 credits worth of elective coursework. Students enrolled in the College of Pharmacy may choose to complete elective coursework at other ACPE accredited colleges of pharmacy as outlined in the College of Pharmacy Elective Transfer Credit Policy.
- All students are required to complete the expectations outlined in their Licensure Preparation Plan during the P4 year.
- In addition to the acquisition of the basic tools of skill and knowledge, the College of Pharmacy emphasizes the importance of the maintenance of emotional stability, a practice of integrity, a habit of critical analysis, a spirit of inquiry and an expressed sense of understanding and empathy for others. This reflects the concern of the College for the appropriate development of human qualities and commitment to professional standards, as well as development of technical competence in its students and graduates. Evaluation of students and their progress during the course of studies will include all of these criteria.
- Failure to meet any of the standards of the College will result in remedial or other actions, including dismissal.

Degree Map Name
P4 - Class of 2027
Total Degree Map Credits
37
Degree Map Effective Catalog Year
2027 -

Year	Semester	Credits	Progress Credits
P4	Full Year	37	0

Requirement Select
- PHLD 84200 - Personal and Professional Development for Pharmacy VII

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- APPE 84001 - Acute Care/Internal Medicine

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	8
Progress Credits	-
Contact Hours	160 - 320
Clinical	-
Criticality	No

Requirement Select
- APPE 84002 - Advanced Hospital Practice

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4
Progress Credits	-
Contact Hours	160
Clinical	-
Criticality	No

Requirement Select
- APPE 84003 - Advanced Community Practice

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4
Progress Credits	-
Contact Hours	160
Clinical	-
Criticality	No

Requirement Select
- APPE 84004 - Ambulatory Care

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	8
Progress Credits	-
Contact Hours	160 - 320
Clinical	-
Criticality	No

Requirement Select
- APPE 84005 - Clinical Care Selective

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4
Progress Credits	-
Contact Hours	160
Clinical	-
Criticality	No

Requirement Select
- APPE 84006 - Elective

Notes

Notes	Two (2) - 4-credit electives are required
Minimum Grade	-
Area	-
Credits	8
Progress Credits	-
Contact Hours	160
Clinical	-
Criticality	No

Requirement Select
- PHLD 84300 - Personal and Professional Development for Pharmacy VIII

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Degree Map Name
P3 - Class of 2028
Total Degree Map Credits
38 - 44
Degree Map Effective Catalog Year

2027 -

Year	Semester	Credits	Progress Credits
P3	Fall	18 - 20	0

Requirement Select
- PHLD 83200 - Personal and Professional Development for Pharmacy V

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	6
Clinical	-
Criticality	No

Requirement Select
- PHRX 83201 - Experiential Education III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	80
Clinical	-
Criticality	No

Requirement Select
- PADM 83203 - Practice Management II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	30
Clinical	-
Criticality	No

Requirement Select
- IPEC 83204 - Interprofessional Education V

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	18
Clinical	-
Criticality	No

Requirement Select
- PHPE 83206 - Pharmacy Skills V

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHAR 83208 - Pharmacotherapy: Neurology/Psychiatry

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4
Progress Credits	-
Contact Hours	60
Clinical	-
Criticality	No

Requirement Select
- PHAR 83209 - Pharmacotherapy: Infectious Diseases

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHAR 83210 - Pharmacotherapy: Gastroenterology

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- Pharmacy Electives

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0 - 2
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
P3	Spring	18 - 20	0

Requirement Select
- PHLD 83300 - Personal and Professional Development for Pharmacy VI

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHRX 83301 - Experiential Education IV

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PADM 83302 - Pharmacy Law and Ethics

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- IPEC 83304 - Interprofessional Education VI

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHPE 83306 - Pharmacy Skills VI

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	16.5
Clinical	-
Criticality	No

Requirement Select
- PHAR 83307 - Pharmacotherapy: Critical Care

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3.5
Progress Credits	-
Contact Hours	51
Clinical	-
Criticality	No

Requirement Select
- PHAR 83308 - Pharmacotherapy: Immunology/Oncology

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHAR 83310 - Pharmacotherapy: Special Populations

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- Pharmacy Electives

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0 - 2
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
P3	May Intersession	2 - 4	0

Requirement Select
- PHPE 83400 - APPE Ready

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- Pharmacy Electives

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0 - 2
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Degree Map Name
P2 - Class of 2029
Total Degree Map Credits
40 - 42
Degree Map Effective Catalog Year
2027 -

Year	Semester	Credits	Progress Credits
P2	Fall	18	0

Requirement Select
- PHLD 72200 - Personal and Professional Development for Pharmacy III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHRX 72201 - Experiential Education I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	80
Clinical	-
Criticality	No

Requirement Select
- PCEU 72203 - Pharmaceutics

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	47
Clinical	-
Criticality	No

Requirement Select
- PCEU 72233 - Pharmaceutics Lab

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	38
Clinical	-
Criticality	No

Requirement Select
- IPEC 72204 - Interprofessional Education III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHPE 72206 - Pharmacy Skills III

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHAR 72207 - Pharmacotherapy: OTC/Self-Care

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHAR 72208 - Pharmacotherapy: Intro Chronic Disease

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3.5
Progress Credits	-
Contact Hours	52
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
P2	Spring	21.5	0

Requirement Select
- PHLD 72300 - Personal and Professional Development for Pharmacy IV

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHRX 72301 - Experiential Education II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	80
Clinical	-
Criticality	No

Requirement Select
- PHDD 72302 - Parenteral Products

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHDD 72303 - Parenteral Products Lab

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	30
Clinical	-
Criticality	No

Requirement Select
- PADM 72303 - Practice Management I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	34
Clinical	-
Criticality	No

Requirement Select
- IPEC 72304 - Interprofessional Education IV

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHPE 72306 - Pharmacy Skills IV

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1.5
Progress Credits	-
Contact Hours	21
Clinical	-
Criticality	No

Requirement Select
- PHAR 72307 - Pharmacotherapy: Nephrology

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHAR 72308 - Pharmacotherapy: Endocrinology

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4
Progress Credits	-
Contact Hours	59
Clinical	-
Criticality	No

Requirement Select
- PHAR 72309 - Pharmacotherapy: Advanced Cardiology

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
P2	May Intersession	0.5 - 2.5	0

Requirement Select
- PHPE 72400 - Patient Care Ready

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- Pharmacy Electives

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0 - 2
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Degree Map Name
P1 - Class of 2030
Total Degree Map Credits
36 - 38
Degree Map Effective Catalog Year
2027 -

Year	Semester	Credits	Progress Credits
P1	Fall	17.5	0

Requirement Select
- PHLD 71200 - Personal and Professional Development for Pharmacy I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PEBM 71202 - Evidence Based Medicine

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	33
Clinical	-
Criticality	No

Requirement Select
- ANAP 71203 - Human Anatomy Physiology and Pathophysiology I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- IPEC 71204 - Interprofessional Education I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	14
Clinical	-
Criticality	No

Requirement Select
- PHDD 71205 - Introduction to Pharmaceutical Sciences

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHDD 71207 - Pharmaceutical Calculations

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2.5
Progress Credits	-
Contact Hours	38
Clinical	-
Criticality	No

Requirement Select
- PHPE 71206 - Pharmacy Skills I

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	50
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
P1	Spring	17.5	0

Requirement Select
- PHLD 71300 - Personal and Professional Development for Pharmacy II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0.5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHCS 71302 - Health Care Delivery System

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- ANAP 71303 - Human Anatomy Physiology and Pathophysiology II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4
Progress Credits	-
Contact Hours	64
Clinical	-
Criticality	No

Requirement Select
- IPEC 71304 - Interprofessional Education II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHDD 71305 - Pharmacodynamics Pharmacokinetics

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	4
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select
- PHPE 71306 - Pharmacy Skills II

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	2
Progress Credits	-
Contact Hours	30
Clinical	-
Criticality	No

Requirement Select
- IMMU 71302 - Immunology and Biotechnology

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	3
Progress Credits	-
Contact Hours	45
Clinical	-
Criticality	No

Year	Semester	Credits	Progress Credits
P1	May Intersession	1 - 3	0

Requirement Select
- PHPE 71400 - Profession Ready

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	1
Progress Credits	-
Contact Hours	15
Clinical	-
Criticality	No

Requirement Select
- Pharmacy Electives

Notes

Notes	-
Minimum Grade	-
Area	-
Credits	0 - 2
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Program Objectives

The NEOMED Doctor of Pharmacy program provides a highly integrated and outcomes-driven curriculum that provides our graduates with the knowledge, skills, and abilities to enter the profession as a flexible and adaptable pharmacist.

Built on a foundation of biomedical and pharmaceutical sciences, the curriculum in the Doctor of Pharmacy program uses innovative pedagogical approaches to teaching and learning such as active learning, simulation, and reflection. Our curriculum helps learners develop drug and disease state knowledge that is comprehensively integrated and aligned with a skills training model focused on advanced communication skills, individualized assessment, and real-world outcomes. We help learners develop the personal and professional attitudes and values that contribute to excellence. We foster professional engagement and advocacy for the profession of pharmacy and the patients we care for. We supply our learners with a diverse range of opportunities to explore and prepare for specialization in residencies, fellowships, or graduate degrees.

The Doctor of Pharmacy program is staffed by a highly trained diverse faculty including Clinician Educators, researchers, and scholars immersed in interprofessional teams who teach in the classroom, the laboratory, and in experiential settings. Our graduates will be able to work in a variety of potential practice settings to deliver high-quality patient-centered care as part of a collaborative interprofessional team.

DOMAIN	SUBDOMAIN	DESCRIPTOR
Knowledge	1.1 Scientific Thinking	Learner
Skills	2.1 Problem-solving process	Problem Solver
Skills	2.2 Communication	Communicator
Skills	2.3 Cultural and structural humility	Ally
Skills	2.4 Person-centered care	Provider
Skills	2.5 Advocacy	Advocate
Skills	2.6 Medication- se process stewardship	Steward
Skills	2.7 Interprofessional collaboration	Collaborator
Skills	2.8 Population Health and Wellness	Promoter
Skills	2.9 Leadership	Leader
Attitudes	3.1 Self- Awareness	Self-Aware
Attitudes	3.2 Professionalism	Professional

Doctor of Philosophy in Basic Translational Biomedicine

Overview

Program Description

The Basic and Translational Biomedicine (BTB) Graduate Program is designed to educate and develop students into leading independent scientists, scholars, and innovators. The program offers exceptional training opportunities in the basic and applied health sciences with nationally and internationally recognized faculty across the following focus areas: neurodegenerative diseases; heart and blood vessel disease; auditory neuroscience; musculoskeletal; diabetes, obesity, and metabolism.

College

College of Graduate Studies

Program Level

Graduate

Curriculum Information

PROFESSIONAL PROGRAMS en route to Ph.D. Degree:

The College of Graduate Studies provides a unique opportunity for NEOMED students enrolled in the College of Medicine or Pharmacy to attain a Ph.D. degree in the Basic and Translational Biomedicine Program. Accelerated degree completion is possible when using a combination of approved credits from the professional program’s curriculum toward elective course work of Ph.D. didactic requirements. See curriculum pathways.

CURRICULAR DEGREE REQUIREMENTS: M.D. & PH.D.

Only applicants accepted and enrolled in the NEOMED College of Medicine are eligible. The M.D. & Ph.D. is a nested degree. The student will progress through the first two years of the M.D. curriculum. This will be followed by a leave of absence (minimally 3 years) from the M.D. program, during which time the student will earn the Ph.D. degree through the BTB program. At the completion of the Ph.D., the student will re-enter the M.D. program to finish out M.D. degree requirements.

CURRICULAR DEGREE REQUIREMENTS: PHARM.D. and PH.D.

Only applicants accepted and enrolled in the NEOMED College of Pharmacy are eligible. The PharmD and PhD program is a modified sequential degree plan. The PharmD degree will be earned over the normal 4-year timeline after which the student will enter the graduate curriculum.

M.S. DEGREE en route to Ph.D. DEGREE with SHARED CREDIT

A student who completes a master’s degree in the BTB program can apply to the PhD program. If admitted, the student may share approved credits earned in the pursuit of the master’s degree toward the PhD degree requisites.

Degree Requirements

Degree Completion Requirements

The Ph.D. degree requires 90 credit hours. All doctoral students in the program will be required to complete 30 hours of didactic, 30 hours of research and 30 hours of dissertation research, culminating in a written dissertation and dissertation defense.

NON-CURRICULAR DEGREE REQUIREMENTS

LABORATORY ROTATIONS

All students are required to participate in lab rotations to find their research area of interest. Students will complete 2-3 rotations by the end of their first year before choosing their lab. The lab should be where the student intends to complete their dissertation research.

ADVISOR SELECTION

By the end of the first year of study PhD students must submit a written request to the Program Director asking to be assigned to a major advisor. The major advisor's written agreement to accept the student in their lab should accompany the written request to the Program Director. Once the request has been approved, the advisor will help the student create a plan of study suited to their research interests as well as serve as the chair of the student's dissertation committee.

ADVISORY COMMITTEE SELECTION

Upon approval of the lab assignment, the major advisor and the student should select a team of committee members. Two (2) Graduate Faculty should be selected for PhD candidates. PhD students will then add one (1) Graduate Faculty member for their candidacy exam and then one (1) Graduate Faculty member for the dissertation prospectus for a total of five (5) members including the primary advisor. In addition, one (1) of the members of the advisory committee for the PhD candidate must come from a department outside of the major advisor's primary department.

INDIVIDUAL DEVELOPMENT PLAN (IDP)

The Individual Development Plan (IDP) will aid the graduate student in creating and accomplishing both short- and long-term goals to work toward the desired career goal and ensure a seamless progression through the curriculum. To receive the maximum benefit from the IDP process, it is essential that both the student and the Advisor participate fully in the process. The IDP will need to be completed annually by each student in accordance with the advisor and the advisory committee (after committee selection is made post-candidacy examination). First year students that have not selected an advisor can summon support of program directors in completing the IDP.

CANDIDACY EXAM

PhD students that have completed their didactic coursework will take a candidacy exam. The exam serves the purpose of evaluating students' basic knowledge in their respective field, ability to organize and defend a hypothesis-based research project, and ability to think and integrate ideas and concepts. The program uses a grant proposal format as the basis for the evaluation. The grant proposal should be on a topic that is relevant to the student's field of research. The proposal should be based on clear hypotheses and should be developed based on real data. The student will also provide an oral defense of the proposal to their advisory committee. For more information regarding the candidacy exam format, policy, or timeline, please contact the Program Director.

DISSERTATION PROSPECTUS

Within one year of passing the candidacy exam, PhD students will defend their dissertation prospectus. The Prospectus will be based on the research undertaken by the student in their advisor's lab, including data successfully generated by the student, and will culminate in the body of the dissertation work. The format of the Prospectus is based on the structure of a National Institutes of Health (NIH) grant, excluding budget and facilities pages. Additionally, the student provides an oral defense of the planned research with the participation of all members of the dissertation committee.

CLINICAL SKILLS ASSESSMENT

A Clinical Skills Assessment is a graduation requirement for NEOMED M.D. students enrolled in the Ph.D. program before returning to their M3 year. Students must successfully pass the Clinical Skills Assessment during the last year of the PhD program before graduating from the PhD program and returning to the M3 year. This assessment is designed to test the student's basic physical exam and interviewing skills and clinical problem-solving skills.

DISSERTATION DEFENSE

The dissertation defense is the culminating experience in which a doctoral student presents and demonstrates the research achievements developed over the course of the PhD program. It also provides the dissertation committee with the opportunity to determine whether the student has been adequately prepared for a future as an independent scientist.

The defense consists of two components:

1. A 45-minute public presentation of the student's research.
2. A committee-led oral examination.

The oral examination includes two rounds of questioning by the dissertation committee. Each committee member (five members total) is allotted 10–15 minutes of questioning per round, resulting in approximately one hour of questioning per round.

Following the examination, the committee deliberates and determines whether the student has successfully defended the dissertation.

- If the defense is successful, each committee member signs the Dissertation Defense Signature Form.
- If the defense is unsuccessful, the committee determines whether the student may attempt the defense again and establishes the conditions and timeline for a subsequent attempt.

For additional information regarding dissertation defense format, policies, and timelines, please contact the Program Director.

Simple Requirements

Catalog Year 2026-2027

Type

Completion Requirement

Core Courses

Complete ALL of the following Courses:

- BMS 60301 - Responsible Conduct of Research
- BMS 60303 - Research Writing for Scholarship
- BMS 60404 - Research Methods
- DATA 60408 - Statistical Methodology in the Biomedical Sciences
  OR DATA 60904 - Statistical Methodology for Biomedical Sciences I

Elective Credits

Earn at least 20 credits from the following:

- BMS 60401 - Drug Discovery, Development and Approval
- BMS 60402 - Career and Professional Development Seminar
- BMS 60405 - Foundational Techniques in Biomedical Research
- BMS 60407 - Molecular Pharmacology
- BMS 60409 - Cellular and Molecular Signaling
- BMS 60416 - Bootcamp for Basic Scientists
- BMS 60417 - Current Trends in Cardiovascular Sciences
- BMS 60418 - Emerging Concepts in Diabetes and Obesity
- BMS 60419 - Molecular Cardiovascular Science
- BMS 60420 - Advanced Cardiovascular Physiologyand Pathophysiology
- BMS 60421 - Mitochondrial Metabolism and Redox Signal
- BMS 60422 - Cellular and Molecular Neuroscience
- BMS 60423 - Current Trends in Neuroscience
- BMS 60424 - Neuroscience Systems
- BMS 60425 - Current Research in Auditory Neurobiology
- BMS 60431 - Foundations in Neuroscience
- BMS 60432 - Biomedical Microscopy and Imaging

- BMS 60433 - Grant Writing
- BMS 60434 - Histology
- BMS 60435 - Medical Gross Anatomy and Embryology

College of Pharmacy courses (approval required)

Research Credits

Fulfill ALL of the following requirements:

Earn at least 30 credits from the following:

- RES 60497 - Research

AND

Earn at least 30 credits from the following:

- RES 80499 - Dissertation Research

Non-course Requirements

Fulfill ALL of the following requirements:

Candidacy Exam	Required
Prospectus	Required
Dissertation Defense	Required

Program Objectives

Objective 1

Comprehensive knowledge of research science with expertise in one of NEOMED 6 research tracks:

- **Pharmaceutical Sciences:** A thorough knowledge of the pharmaceutical sciences with research emphasis in a chosen area of expertise or specializations such as drug design and discovery, pharmaceutics (dosage form development, drug delivery and drug formulation), pharmacologic and toxicologic evaluation of drugs, disease mechanisms, and development/use of disease models for research.
- **Metabolic Disease:** A thorough knowledge of metabolic-related disease, necessary to engage in hypothesis-driven research into the mechanisms of metabolic disease, diabetes, or obesity.
- **Cardiovascular Disease:** A thorough knowledge of cardiovascular disease, necessary to undertake hypothesis-driven research into the mechanisms of heart disease, hypertension, stroke, and heart failure.
- **Skeletal Disease:** A thorough knowledge of bone and tissue regrowth, necessary to undertake hypothesis-driven research into the mechanisms of debilitating conditions such as arthritis, cancer, osteoporosis and bone fractures.
- **Neurodegenerative Disease:** A thorough knowledge of degenerative diseases of the central nervous system, necessary to undertake hypothesis-driven research into the mechanisms of Parkinson's disease, Alzheimer's disease, glaucoma, and other neuropathies.
- **Auditory Neuroscience:** A thorough knowledge of sensory processing, necessary to undertake hypothesis-driven research to elucidate neural circuits that contribute to auditory processing, and to understand how disorders such as hearing loss, tinnitus, or emotional dysregulation affect the auditory system and perception of speech and the world around us.

Objective 2

Training consistent with students' career goals. This includes a focus on disease mechanisms and targets for therapeutic intervention.

Objective 3

A thorough knowledge of planning, organizing, and conducting independent research following the norms and standards of national research organizations, societies, government, and industry.

Objective 4

An ability to effectively communicate research findings to internal and external audiences, in oral and written form.

Objective 5

A thorough knowledge of methods to secure support and independent funding from government and private sources to conduct independent research.

Objective 6

A desire to remain immersed in the philosophy of life-long learning, and an appreciation of the importance to maintain and continually update their knowledge base.

All Courses

ANAP 71203 - Human Anatomy Physiology and Pathophysiology I

Overview

Course Description
This course has been developed to provide pharmacy students with a general understanding of the structure (and function) of the human body. Students will develop a basic vocabulary of anatomic terminology used by healthcare professionals internationally. The human body will be explored using a systems approach, allowing the student to develop a core knowledge base of all the major body systems. At the conclusion of the course, it is expected that each student will be armed with the terminology and core concepts required of their profession. Offered fall semester.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab, Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
5

Billing Hours

Billing Hours Min:
5

ANAP 71303 - Human Anatomy Physiology and Pathophysiology II

Overview

Course Description
This course is designed to provide pharmacy students with a foundational understanding of the structure (anatomy), function (physiology), and common dysfunction (pathophysiology) of the human body. It is anticipated that students will develop a vocabulary of anatomic terminology used by healthcare professionals internationally to enhance their ability to communicate with their interprofessional colleagues. Additionally, students will be expected to develop an essential knowledge base of the physiology and pathophysiology of the major systems in the human body. As such, this course will provide the basis on which all additional pharmacy courses will rely. Upon successful completion, students will be proficient with anatomical and physiological terminology, core concepts of pathophysiology, and an ability to integrate knowledge from multiple systems to facilitate their career as health care professionals.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
64

Billing Hours

Billing Hours Min:
4

ANAT 84000 - Anatomy

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

ANAT 84001 - Surgical Anatomy

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

ANAT 84002 - Advanced Anatomy Dissection

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

ANAT 84003 - Modern Anatomical Sciences

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

ANES 60601 - Clinical Experience I

Overview

Course Description
In this course students will learn an introduction clinical anesthetic practice in a hospital setting.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
2

Billing Hours

Billing Hours Min:
2

ANES 60602 - Introduction to Simulation

Overview

Course Description
This class will introduce students to the simulator and partial task trainers. Students will work throughout the semester on partial task trainers and the simulator to better their clinical skillset. Skills learned will be airway management, intubation, IV placement, monitoring and placement, anesthesia machine, medication safety, sterile techniques.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

ANES 60603 - Anesthesia Seminar

Overview

Course Description
This course will require students to create presentations on basic science topics. Each student will be given a basic science topic to be researched and presented on to the class and faculty. First-year students will work with a second-year student to present a basic science topic that relates to a second-year case presentation. Students will better understand basic science topics, practice evidence-based research and medicine, teamwork, collaboration and improve their presentation skills of medical information.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture, Seminar

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

Number Of Repeats:
8

ANES 60604 - Introduction to Anesthesia

Overview

Course Description
This introduction to anesthesia will teach students the basics of anesthesia clinical practice. Topics studied will include basic pharmacology, physiology, anatomy, EKG, monitoring, professionalism, medical terminology, ASA classifications, preoperative assessments, types of anesthetics, anesthesia math.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
60

Billing Hours

Billing Hours Min:
4

ANES 60605 - Human Anatomy and Lab

Overview

Course Description
This course and lab are designed to advance the education of the student in anatomical structures and function through both didactic lectures and cadaver labs. Topics covered in this course will be the structural and functional anatomy of the skeletal, muscular, nervous, cardiovascular, respiratory, digestive, urinary and reproductive organ systems.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
5

Contact Hours

Contact Hours Min:
75

Billing Hours

Billing Hours Min:
5

ANES 60606 - Human Physiology I

Overview

Course Description
This course provides an in-depth education on the physiology and pathophysiology of the human body. Topics covered in this course are the skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

ANES 60607 - EKG

Overview

Course Description
This course will build off the student's anatomy and physiology knowledge of the cardiovascular system to discuss the monitor of the heart. Students will learn how the electrocardiogram works, the vectors involved, anatomy, normal EKG rhythms and how to identify and treat the various arrhythmias.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

ANES 60608 - Simulation II

Overview

Course Description
An advanced pharmacological study of drugs specifically related to the administration and practice of anesthetics. The course focuses on inhaled anesthetics, opioids, barbiturates, benzodiazepines, anticholinesterases and anticholinergics, neuromuscular blockers, adrenergic agonists and antagonists, nonsteroidal anti-inflammatory drugs, antidysrhythmic, calcium channel blockers, diuretics, anticoagulants, antihistamines, and antimicrobials. Specific pathophysiological topics related to anesthesia assessment and delivery are emphasized.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

ANES 60609 - Clinical Experience II

Overview

Course Description
In this course students will build upon their previous learning of clinical anesthetic practice in a hospital setting.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

ANES 60620 - Clinical Experience III

Overview

Course Description
In this course students will build upon their previous learning of clinical anesthetic practice in a hospital setting and begin to take more ownership of their anesthetic cases. Preceptors will begin to expect students to use their didactic and simulation education to provide the highest level of care for patients.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

ANES 60621 - Simulation III

Overview

Course Description
This class will educate students in the simulator and partial task trainers. Students will work throughout the semester on partial task trainers and the simulator to better their clinical skillset. Skills learned will be advanced airway management, central line placement, spinal/epidural placement, anesthetic case management.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

ANES 60623 - Anesthesia Practice and Principles I

Overview

Course Description
This course prepares students for their second-year specialty rotations by discussing many subspecialties of anesthesia. This course builds on the students' knowledge of pharmacology, physiology, anatomy and anesthesiology to create care plans for specific types of anesthetic cases. This course will also use the knowledge obtained in pathophysiology to develop a differential diagnosis using critical thinking. Topics covered include anesthesia for cardiac, neuro, transplant, ortho, pediatric, geriatric, ENT, urology, out of OR surgeries as well as various types of anesthetics.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

ANES 60624 - Instrumentation and Monitoring

Overview

Course Description
This course teaches students the necessary physics and engineering required to understand the monitoring and instrumentation used in anesthesia. Topics discussed in this class include standard ASA monitors, neuro monitoring, cardiac monitoring, arterial monitoring, fetal monitoring.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

ANES 60625 - Anesthesia Non-Technical Skills

Overview

Course Description
This course is designed to improve students' non-anesthesia skills that are still critically important for success in the operating room and medicine. The course uses a curriculum from many different industries, all focused on minimizing risk and maximizing safety of systems. Topics discussed will include effective communication loops, crew resource management, leadership, collaboration, professionalism, checklists, teamwork and situational awareness.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

ANES 60626 - Pharmacology I

Overview

Course Description
This course will teach students the pharmacology principles involved with medications such as pharmacokinetics, pharmacodynamics, uptake, half-life, metabolism, mechanism of action, distribution.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

ANES 60627 - Clinical Experience IV

Overview

Course Description
In this course students will build upon their previous learning of clinical anesthetic practice in a hospital setting and begin to take more ownership of their anesthetic cases. Preceptors will begin to expect students to use their didactic and simulation education to provide the highest level of care for patients.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

ANES 60628 - Simulation IV

Overview

Course Description
This class will educate students in the simulator and partial task trainers. Students will work throughout the semester on partial task trainers and the simulator to better their clinical skillset. Students will put together their knowledge acquired through didactic education, simulation education and clinical education to begin to manage entire simulated anesthetic cases. Skills learned will be advanced airway management, anesthetic case management, and crisis management. ment, and crisis management.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

ANES 60630 - Innovations in Healthcare

Overview

Course Description
This course will prepare students for their second-year clinical rotations. This course will discuss professional advocacy, hospital dynamics, job-interviewing, professionalism in the workplace, truthfulness and transparency, introduction to ethics in anesthesia, and patient sensitivity, empathy, accountability, and respect.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
ANES 2, ANES 3

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

Number Of Repeats:
4

ANES 60631 - Anesthesia Practice and Principles II

Overview

Course Description
This course prepares students for their second-year specialty rotations by discussing many subspecialties of anesthesia. This course builds on the students' knowledge of pharmacology, physiology, anatomy and anesthesiology to create care plans for specific types of anesthetic cases. This course will also use the knowledge obtained in pathophysiology to develop a differential diagnosis using critical thinking. Topics covered include anesthesia for cardiac, neuro, transplant, ortho, pediatric, geriatric, ENT, urology, out of OR surgeries as well as various types of anesthetics.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

ANES 60632 - Pharmacology II

Overview

Course Description
This course will teach students the pharmacology principles involved with medications such as pharmacokinetics, pharmacodynamics, uptake, half-life, metabolism, mechanism of action, distribution.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

ANES 60633 - Human Physiology II

Overview

Course Description
This course builds off Physiology and focuses more on the pathophysiology of some disease processes encountered in anesthesia. The course will allow students to understand how disease processes work and the effects these processes can have on anesthetics.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

ANES 60634 - Clinical Experience V

Overview

Course Description
In this course students will build upon their previous learning of clinical anesthetic practice in a hospital setting and begin their specialty anesthesia rotations. Preceptors will begin to expect students to use their didactic and simulation education to provide the highest level of care for patients. Specialty rotations will include anesthesia for pediatrics, neurosurgery, cardiac, OB, trauma, preoperative, and regional anesthesia.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Cohort
ANES 2

Credits

Credit Hours

Credit Hours Min:
11

Billing Hours

Billing Hours Min:
11

ANES 60635 - Simulation V

Overview

Course Description
This class will educate students in the simulator and partial task trainers. Students will work throughout the semester on partial task trainers and the simulator to better their clinical skillset. Students will put together their knowledge acquired through didactic education, simulation education and clinical education to begin to manage entire simulated anesthetic cases. Skills learned will be advanced airway management, anesthetic case management, and crisis management.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Cohort
ANES 3

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

ANES 60638 - Clinical Experience VI

Overview

Course Description
In this course students will build upon their previous learning of clinical anesthetic practice in a hospital setting and begin their specialty anesthesia rotations. Preceptors will begin to expect students to use their didactic and simulation education to provide the highest level of care for patients. Specialty rotations will include anesthesia for pediatrics, neurosurgery, cardiac, OB, trauma, preoperative, and regional anesthesia.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

ANES 60639 - Simulation VI

Overview

Course Description
This class will educate students in the simulator and partial task trainers. Students will work throughout the semester on partial task trainers and the simulator to better their clinical skillset. Students will put together their knowledge acquired through didactic education, simulation education and clinical education to begin to manage entire simulated anesthetic cases. Skills learned will be advanced airway management, anesthetic case management, and crisis management.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

ANES 60641 - Knowledge Based Learning I

Overview

Course Description
This course will use a practice board test and series of study modules to prepare the students for the board exam they will take before they graduate. Students will take a comprehensive exam similar to the board exam and will be given smaller modules to study on specific sub-specialties of anesthesia. This results will also be used to identify any specific topics the class might need to explore with additional modules in the Innovations in Medicine Series.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

ANES 60660 - Clinical Experience VII

Overview

Course Description
In this course students will build upon their previous learning of clinical anesthetic practice in a hospital setting and begin their specialty anesthesia rotations.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
10

Billing Hours

Billing Hours Min:
10

ANES 60661 - Simulation VII

Overview

Course Description
This class will educate students in the simulator and partial task trainers. Students will work throughout the semester on partial task trainers and the simulator to better their clinical skillset. Students will put together their knowledge acquired through didactic education, simulation education and clinical education to begin to manage entire simulated anesthetic cases. Skills learned will be advanced airway management, anesthetic case management, and crisis management.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

ANES 60664 - Clinical Experience VIII

Overview

Course Description
In this course students will build upon their previous learning of clinical anesthetic practice in a hospital setting and begin their specialty anesthesia rotations. Preceptors will begin to expect students to use their didactic and simulation education to provide the highest level of care for patients. Specialty rotations will include anesthesia for pediatrics, neurosurgery, cardiac, OB, trauma, and regional anesthesia.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Cohort
ANES 3

Credits

Credit Hours

Credit Hours Min:
11

Billing Hours

Billing Hours Min:
11

ANES 60665 - Simulation VIII

Overview

Course Description
This class will educate students in the simulator and partial task trainers. Students will work throughout the semester on partial task trainers and the simulator to better their clinical skillset. Students will put together their knowledge acquired through didactic education, simulation education and clinical education to begin to manage entire simulated anesthetic cases. Skills learned will be advanced airway management, anesthetic case management, and crisis management.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

ANES 60668 - Clinical Experience IX

Overview

Course Description
In this course students will build upon their previous learning of clinical anesthetic practice in a hospital setting and begin their specialty anesthesia rotations. Preceptors will begin to expect students to use their didactic and simulation education to provide the highest level of care for patients. Students will also have the option in this semester to rotate at their desired institution of employment after graduation. Specialty rotations will include anesthesia for pediatrics, neurosurgery, cardiac, OB, trauma, preoperative and regional anesthesia.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
10

Billing Hours

Billing Hours Min:
10

ANES 60671 - Senior Project

Overview

Course Description
This course will require third-year students to collaborate with second-year students to lead a research paper/study on a quality improvement project in healthcare. The third-year students will be the main author for a research paper to be presented with the second-year student being their co-author. The students will learn about research design, collaboration, teamwork, and publication process.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture, Research

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

ANES 60672 - Knowledge Based Learning II

Overview

Course Description
This course builds off of the Knowledge Based Learning Exam 1. This course will use a second practice board test and series of study modules to prepare the students for the board exam they will take before they graduate. Students will take a comprehensive exam similar to the board exam and will be given smaller modules to study on specific subspecialties of anesthesia. Students will be given their results relative to each topic of anesthesia as information for their board studying prep.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

ANES 60673 - Special Topics in Anesthesia

Overview

Course Description
This course allows students to asynchronously work through a variety of modules relating to many different subspecialties of anesthesia and specific topics identified as areas of improvement. The goal of this course is to reinforce previous topics addressed in the curriculum as well as continue to prepare students for their certification exam. Students will explore topics potentially including but not limited to respiratory physiology and ventilatory settings, cardiac anatomy and physiology, renal physiology and anesthetic implications, regional anatomy and procedures, as well as other relevant topics.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

ANES 60695 - Special Topics

Overview

Course Description
A Special Topics course provides focused study of an advanced, emerging, or interdisciplinary subject not covered in the standard curriculum. Content varies by term to reflect current developments and faculty expertise, emphasizing critical engagement with research, integration of complex ideas, and application of advanced analytical approaches. Through readings, discussions, and project-based or research-focused work, students develop deep understanding of the selected topic and strengthen skills in independent inquiry and scholarly communication. The course may be repeated for credit under different topics.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture, Laboratory/Simulation, Engaged Learning, Combined Lecture/Lab, Seminar, Small Group Discussion

Grade Modes
Letter (A, B, C, F), Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
8

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
8

Billing Hours Operator:
TO

ANES 84000 - Anesthesiology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

ANES 84001 - Pain Management

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

APPE 84001 - Acute Care/Internal Medicine

Overview

Course Description
The goal of the Adult Acute Care/Internal Medicine - Advanced Pharmacy Practice Experience (APPE) is to provide the student with experience in the drug therapy management of adult patients with common acute and chronic medical illnesses. The activities of the experience are to build upon a student's prior training and develop skills related to patient assessment and drug therapy management of hospitalized patients in an internal medicine environment. The student will complete all activities in a professional manner under the facilitation of a preceptor.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Advanced Pharmacy Practice Experience

Grade Modes
Honors/Pass/Fail

Cohort
P4 Cohort

Syllabus
APPE_Student_Manual.docx

Credits

Credit Hours

Credit Hours Min:
4

Credit Hours Max:
8

Credit Hours Operator:
OR

Contact Hours

Contact Hours Min:
160

Contact Hours Max:
320

Contact Hours Operator:
OR

Billing Hours

Billing Hours Min:
4

Billing Hours Max:
8

Billing Hours Operator:
OR

Number Of Repeats:
0

APPE 84002 - Advanced Hospital Practice

Overview

Course Description
These Advanced Pharmacy Practice Experiences (APPE) take place in hospitals or other systems of integrated pharmaceutical services. These experiences focus on patient-specific care and medication use systems. Emphasis is placed on the drug-use decision-making process, monitoring of individual patient drug therapy, formulary management and the communication of information and analysis to other health professionals and patients. These experiences can include medication order processing, sterile product preparation, inventory management, clinical patient care services, and administration. Leadership skills are also a key component of a student's experience, especially ones that would like to prepare for management positions. To provide this opportunity, students should be exposed to the management processes and leadership philosophy of the organization. Activities a student may perform on these experiences include spending time with a manager or director of pharmacy services, attend administrative related meetings, develop policies and procedures, and oriented to human resource; financial; inventory; and operational management.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Advanced Pharmacy Practice Experience

Grade Modes
Honors/Pass/Fail

Cohort
P4 Cohort

Syllabus
APPE_Student_Manual.docx

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
160

Billing Hours

Billing Hours Min:
4

Number Of Repeats:
0

APPE 84003 - Advanced Community Practice

Overview

Course Description
These Advanced Pharmacy Practice Experiences (APPE) take place primarily in retail settings, such as chain store pharmacies, independent pharmacies or hospital-based pharmacies. In addition to medication dispensing, these experiences focus on the identification, resolution and prevention of drug related problems dealing with general medicine issues. Students can participate in patient care services such as administration of immunizations, medication therapy management (MTM), disease state management, counseling, blood pressure checks, and adherence monitoring. Leadership skills are also a key component of a student's experience during this rotation experience, especially ones that would like to prepare for management positions. To provide students this opportunity students should be exposed to the management processes and leadership philosophy of the organization. Activities a student may perform on these experiences include spending time with a Pharmacist-in-charge (PIC), district manager or director of pharmacy services, attend administrative related meetings, develop policies and procedures, and oriented to human resource/ financial/inventory/operational management.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Advanced Pharmacy Practice Experience

Grade Modes
Honors/Pass/Fail

Cohort
P4 Cohort

Syllabus
APPE_Student_Manual.docx

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
160

Billing Hours

Billing Hours Min:
4

APPE 84004 - Ambulatory Care

Overview

Course Description
These Advanced Pharmacy Practice Experiences (APPE) take place primarily in hospital and ambulatory care practice settings. Clinical Selective experiences focus on a particular patient population (e.g. pediatrics, geriatrics) or specific clinical specialty (e.g. Infectious disease, Psychiatry, Cardiology, Oncology, Palliative care). Students are exposed to diverse patient populations with a broad range of acute and chronic medical problems. Students will learn and demonstrate the ability to assess patients, identify medical- and drug-related problems, develop therapeutic care plans, make recommendations to health care practitioners, monitoring drug therapy, and counsel patients.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Advanced Pharmacy Practice Experience

Grade Modes
Honors/Pass/Fail

Cohort
P4 Cohort

Syllabus
APPE_Student_Manual.docx

Credits

Credit Hours

Credit Hours Min:
4

Credit Hours Max:
8

Credit Hours Operator:
OR

Contact Hours

Contact Hours Min:
160

Contact Hours Max:
320

Contact Hours Operator:
OR

Billing Hours

Billing Hours Min:
4

Billing Hours Max:
8

Billing Hours Operator:
OR

APPE 84005 - Clinical Care Selective

Overview

Course Description
These Advanced Pharmacy Practice Experiences (APPE) take place primarily in hospital and ambulatory care practice settings. Clinical Selectives focus on a particular patient population (e.g. pediatrics, geriatrics) or specific clinical specialty (e.g. Infectious disease, Psychiatry, Cardiology, Oncology, Palliative care). Students are exposed to diverse patient populations with a broad range of acute and chronic medical problems. Students will learn and demonstrate the ability to assess patients, identify medical- and drug-related problems, develop therapeutic care plans, make recommendations to health care practitioners, monitoring drug therapy, and counsel patients.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Advanced Pharmacy Practice Experience

Grade Modes
Honors/Pass/Fail

Cohort
P4 Cohort

Syllabus
APPE_Student_Manual.docx

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
160

Billing Hours

Billing Hours Min:
4

APPE 84006 - Elective

Overview

Course Description
Advanced Pharmacy Practice Experience (APPE) Electives may be either patient-care or non-patient-care experiences. These rotations provide students with an adequate breadth of knowledge in areas of interest and should complement the required APPEs to develop the student pharmacist into a competent and mature professional. Elective experiences give students the opportunity to gain insight in areas such as academia, research, drug information, compounding, and professional association management among others. Students may also take additional clinical selective rotations, community, or hospital rotations as elective experiences.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Advanced Pharmacy Practice Experience

Grade Modes
Honors/Pass/Fail

Cohort
P4 Cohort

Syllabus
APPE_Student_Manual.docx

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
160

Billing Hours

Billing Hours Min:
4

BMS 60301 - Responsible Conduct of Research

Overview

Course Description
Students will gain an understanding of the changing and growing need for educational and pragmatic programs in professionalism and ethical conduct in research. Graduate students, focusing their studies and careers in the medical, research, and technological sciences, are strongly encouraged to enroll in this course. Students will gain further knowledge about the history, structure, and organization of research. This program will guide students and fellows, as they progress through their graduate coursework/fellowships toward careers in medicine, science, and technology, toward a better understanding of core theories and values in professionalism and ethics as they apply to real-life experiences and situations.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

BMS 60303 - Research Writing for Scholarship

Overview

Course Description
This course introduces students to the necessary steps in preparing for literature research, participating in literature research, annotating, and synthesizing literature research, and creating a formal review of the literature in preparation for writing a master's thesis. Discussed throughout the class will be: the construction of logical organization for academic papers, the reporting of data from published, peer- reviewed articles, reader-oriented writing, genre, precision, tone, and strategies useful for redrafting and editing. Specifically, this course will ask students to choose the format to write in, create a research question, a prospectus (with a short presentation), an annotated bibliography (presenting the research to the class), and a literature review over the course of eight weeks. The goal of this course is to refine students' existing research and academic writing skills with a focus on understanding the underlying principles of research and citation and beginning to apply these in discipline-appropriate assignments, recognizing and producing features appropriate to the academic genre, and creating contextual and cultural competence for writing the master's thesis. Students must receive a B or higher in this pre-requisite course to begin the MA Thesis I.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

BMS 60401 - Drug Discovery, Development and Approval

Overview

Course Description
The journey from bench-to-bedside for prospective drugs is arduous, requiring heavy financial and resource commitments, stringent benchmarks, and large interdisciplinary research teams. This course is designed to provide the student with a comprehensive overview of the core activities involved in the discovery, development, testing, and approval processes required in bringing a drug to market. Course content will include discussions of concept generation/target identification, research/development, pre-clinical/clinical testing, and FDA approval/regulation.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

BMS 60402 - Career and Professional Development Seminar

Overview

Course Description
This seminar course has been structured as a “journal club” to provide students with a forum in which they read and discuss primary research that is broadly applicable to pharmaceutical medicine. Students are exposed to foundational concepts in research science, become comfortable discussing research science with their colleagues, and practice presenting scientific information. The course also includes invitation of external speakers from academia, industry, and healthcare sectors to share their induvial career development perspectives in order to provide students with a broad exposure to potential career options after degree completion.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Seminar

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
0.5

Contact Hours

Contact Hours Min:
7

Billing Hours

Billing Hours Min:
0.5

Number Of Repeats:
8

BMS 60404 - Research Methods

Overview

Course Description
This course is designed to develop knowledge and skill in health-related research methods. Course content will primarily be discussion of design, strengths, weaknesses, and application of various types of research trials. Additional content will include an overview of key bio-statistical concepts relevant to related research, ethical considerations in research, and strategies for disseminating the results of research. Learning strategies will include online lectures, required readings and discussion forums of key concepts and assignments. Real world examples of research will be provided by course instructors to facilitate discussion. The application of concepts learned will also be applied through completion of a longitudinal project beginning with an observation and culminating in the development and presentation of a study protocol.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Blended - A mix of online and in person

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

BMS 60405 - Foundational Techniques in Biomedical Research

Overview

Course Description
This course is designed to provide the theoretical basis for essential techniques and protocols implemented in basic science research. These objectives are reinforced with applied, hands-on sessions that provide practical in lab experience to students to practice their skills in a supervised environment. Providing students with rudimentary laboratory skills and understanding of why, when, and how to implement them, they will be better equipped to develop and execute their devised research plans and critically asses the research approaches of their peers. Targeted to students entering biomedical basic science programs this course can hold additional benefit to non-bench scientists (professional students or clinical researchers) looking to gain a broader perspective into theory/methods involved in bench research through active engagement. Upon completion of this course students will be proficient in a set of basic lab skills/protocols that can be applied across disciplines.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

BMS 60407 - Molecular Pharmacology

Overview

Course Description
This course will provide students with an understanding of the basic and advanced principles of pharmacology with a primary focus on Neuro, Autonomic, Endocrine and Cardiovascular Pharmacology. Key drugs and drug classes targeting the Endocrine, Cardiovascular as well as Central and Autonomic Systems will be presented. Major emphasis will be laid on the pathophysiological and molecular basis of drug action, including pharmacokinetic properties, therapeutic and clinical applications, as well as undesirable side effects.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
60

Billing Hours

Billing Hours Min:
4

BMS 60409 - Cellular and Molecular Signaling

Overview

Course Description
The purpose of this course is to introduce students to basic concepts of cell signaling and then learn, in- depth the relevant and current topics associated with cellular signaling at the molecular level. The topics covered include basic receptors and pharmacology, G-protein-coupled receptors, receptor tyrosine kinases, nuclear receptors, small G-proteins and their role in various cellular processes such as cell cycle, apoptosis, cancer, metabolism and inflammation. The instruction format includes didactic lectures by expert faculty and journal club format presentations by the students on the latest technology and current topics in cell signaling by the students.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

BMS 60416 - Bootcamp for Basic Scientists

Overview

Course Description
The purpose of Bootcamp for Basic Scientists is to present graduate students in biomedical sciences with the issues and conundrums encountered by health professionals in the treatment of patients with cardiovascular diseases.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

BMS 60417 - Current Trends in Cardiovascular Sciences

Overview

Course Description
The purpose of Current Trends in Cardiovascular Science is to present graduate students in biomedical sciences with the current literature that is viewed as high impact. The course will focus on presentation of a recent paper to the class.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Seminar

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

BMS 60418 - Emerging Concepts in Diabetes and Obesity

Overview

Course Description
Obesity and diabetes are leading causes of cardiovascular morbidity and mortality and are also risk factors for many other metabolic disorders. The purpose of Emerging Concepts in Diabetes and Obesity is to present graduate students in biomedical sciences with the current knowledge of diabetes and obesity, including their pathogenic mechanisms, associated disorders, and therapeutics. The instructors consist of faculty from the Diabetes, Obesity, and Metabolism Research Focus Area at NEOMED. They will present the emerging concepts in the field on Mondays, and the students will present papers revolving around those topics on Wednesdays. Students will select papers with the faculty.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

BMS 60419 - Molecular Cardiovascular Science

Overview

Course Description
The purpose of Molecular Cardiovascular Science is to present graduate students in biomedical sciences with an understanding of molecular regulation of the cardiovascular system. The course will cover molecular regulation and phenotypic control mechanisms in the endothelium, vascular smooth muscle, cardiac myocytes and other cell types, e.g., pericytes. The course will also integrate the latest information based on single-cell genomics to further an appreciation of differences with a specific cell type, e.g., capillary versus arterial endothelial cells.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

BMS 60420 - Advanced Cardiovascular Physiologyand Pathophysiology

Overview

Course Description
Advanced study of the physiology, pharmacology, and pathophysiology of the cardiovascular system using contemporary methods is emphasized. Concepts of cardiovascular structure, function, hemodynamics, excitation-contraction coupling, sign

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

BMS 60421 - Mitochondrial Metabolism and Redox Signal

Overview

Course Description
The purpose of Mitochondrial Metabolism and Redox Signal is to present graduate students in mitochondrial science in the mechanism of cardiovascular diseases.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

BMS 60422 - Cellular and Molecular Neuroscience

Overview

Course Description
This course covers in depth the basic tenets of neuroscience and neural signaling in preparation for understanding neural function at a systems level.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
60

Billing Hours

Billing Hours Min:
4

BMS 60423 - Current Trends in Neuroscience

Overview

Course Description
This course will be structured as a joint “journal club” between the Neurodegenerative Disease and Ageing and Auditory Neuroscience Research Focus Groups. The course will provide students with a forum in which they read and discuss high-impact primary research within the Neurosciences with their faculty and peers. Students will be exposed to foundational concepts in research science, become comfortable discussing research science with colleagues, and practice presenting scientific information to audiences. Faculty will present/ review articles with the class to serve as a template by which each student will review/present primary research articles of their choice. Faculty and peers will provide the student with critical feedback on their ability to effectively, summarize, analyze, critique, and present chosen article.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Seminar

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

BMS 60424 - Neuroscience Systems

Overview

Course Description
This course will provide broad coverage of structures and processes within the central nervous system, with particular emphasis on the integration of molecular mechanisms, cellular processes, and anatomical circuits to understand the function of neural systems as to how they integrate sensory information, drive motor function, regulate behaviors, and contribute to disease and injury. Students will be challenged to understand the anatomy and physiology of the various processes, construct solid written arguments, and critically evaluate related primary literature articles.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
60

Billing Hours

Billing Hours Min:
4

BMS 60425 - Current Research in Auditory Neurobiology

Overview

Course Description
Current Research in Auditory Neurobiology is presentation-based by faculty, postdocs and students in the Hearing Research Group at NEOMED. Topics will vary each semester. Each class presentation will highlight recent advances in auditory neurobiology. Students are expected to prepare a presentation on a research article or the student's own data, chosen in conjunction with one of the faculty members. This presentation must cover relevant background, and involve discussion of methodology, experimental design, and interpretive issues related to the research. Students are also expected to actively participate in class discussions.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Seminar

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

BMS 60429 - Innovation Capstone I

Overview

Course Description
The Capstone project will utilize the FDA design process along with other innovation tools learned in other program courses to design, develop, and prototype medical devices to serve an unmet need. Clinical needs will be identified from regional healthcare providers, concepts will be created and vetted against business cases and the final prototype will be validated against customer inputs. The project will culminate in key deliverables, including a set of requirements, and a concept prototype.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Capstone, Independent Study (Historical No Longer Active)

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

BMS 60431 - Foundations in Neuroscience

Overview

Course Description
This is a team-taught graduate-level introductory neuroscience course that will survey aspects of molecular and cellular neuroscience, the biophysics of the nervous system, basic neuroanatomy, and the homeostatic regulation of the periphery. After completion of this course students should have an understanding of how cells of the nervous system work, how these cells interact with homeostatic systems important to the regulation of peripheral physiology and behavior, and the basic neuroanatomy of these regulatory systems, including major neurotransmitter and neuroendocrine systems. Upon completion of this coursework students should be prepared for advanced neuroscience coursework.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

BMS 60432 - Biomedical Microscopy and Imaging

Overview

Course Description
Light microscopy in combination with genetically encoded fluorescence probes comprises a powerful set of scientific tools that have become some of the most important in life science research applications. This course begins with the basics of optics, proceeds through transmitted light microscopy, covers the various methods of imaging fluorescent samples, describes principles behind traditional high-resolution imaging methods such as confocal, multi-photon, and concludes with some of the latest advances in light microscopy as well as discussion of image analysis. In addition, students will get hands-on experience in the lab to cover pragmatics of how to use microscopes, troubleshooting tips, and image processing for several common life science applications.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

BMS 60433 - Grant Writing

Overview

Course Description
This course provides basic and translational biology students with training on how to gather and create the documents needed to submit an NIH style grant. This course is designed to be taken before candidacy exams for BTB graduate students and before grant submission. Students will learn the principles needed to create a BioSketch, specific aims page, and a research strategy on their own research interests. Didactic online lessons, written assignments, and discussions will be utilized to introduce and reinforce concepts and allow students to practice grant writing. This course will utilize the expertise of multiple NEOMED faculty members, the writing center, grant resource office, and faculty from other institutions for a highly qualified interprofessional team. Students will receive feedback on their documents to help them craft concise, precise, and convincing proposals. This course will be offered completely online asynchronously with in-person writing workshops.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Syllabus
COGS Syllabus Grant Writing_draft.docx

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

Requirements

Simple Requirements

Prerequisite: Research Methods

Type
Prerequisite

Additional Comments:
Prerequisite course: Research Methods

Research Writing

Type
Prerequisite

Additional Comments:
Prerequisite course: Research Writing

BMS 60434 - Histology

Overview

Course Description
This course includes human histology, electron microscopy, and cell biology taught through lectures and team-based learning sessions. This Histology course is part of the larger Body and Brain course, a 9-week course for first-year medical students at NEOMED. During the final week of the course, graduate students present the results of an independent research project concerning some aspect of histology.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F), Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

BMS 60435 - Medical Gross Anatomy and Embryology

Overview

Course Description
This course includes human anatomy, embryology, and introduction to radiology taught through lectures and labs (human body dissection). The Gross Anatomy and Embryology course is part of the larger Body and Brain course. While based on the existing COM course, the BTB version will be modified to emphasize research integration, independent inquiry, and pedagogical development. The course will maintain core anatomical content but include additional 'research' based project designed around the aforementioned themes (research integration and teaching pedagogy) in anatomical sciences.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F), Pass/Fail

Credits

Credit Hours

Credit Hours Min:
5

Billing Hours

Billing Hours Min:
5

BMS 60494 - Independent Study in Basic and Translational Biomedicine

Overview

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture, Laboratory/Simulation, Research, Combined Lecture/Lab, Small Group Discussion, Clinical Experience, Engaged Learning

Grade Modes
Letter (A, B, C, F), Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
8

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
8

Billing Hours Operator:
TO

BMS 60495 - Special Topics

Overview

Course Description
A Special Topics course provides focused study of an advanced, emerging, or interdisciplinary subject not covered in the standard curriculum. Content varies by term to reflect current developments and faculty expertise, emphasizing critical engagement with research, integration of complex ideas, and application of advanced analytical approaches. Through readings, discussions, and project-based or research-focused work, students develop deep understanding of the selected topic and strengthen skills in independent inquiry and scholarly communication. The course may be repeated for credit under different topics.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Clinical Experience, Laboratory/ Simulation, Lecture, Combined Lecture/ Lab, Research, Small Group Discussion, Seminar

Grade Modes
Letter (A, B, C, F), Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
3

Billing Hours Operator:
TO

BMS 60515 - Body Systems Integration I

Overview

Course Description
Body Systems Integration I, II and III introduce students to the anatomy and physiology of the major body systems as well as the functional integration of these systems. Topics covered include the musculoskeletal, cardiovascular, pulmonary, renal, gastrointestinal, endocrine, reproductive, and neurobiology systems. Various engaged learning modalities are utilized including peer instruction, team-based learning, and case-based learning. Gross anatomy laboratory prosection and dissection are also incorporated into each course.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab, Independent Study (Historical No Longer Active)

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
6

Contact Hours

Contact Hours Min:
90

Billing Hours

Billing Hours Min:
6

BMS 60516 - Body Systems Integration II

Overview

Course Description
Body Systems Integration I, II, and III introduce students to the anatomy and physiology of the major body systems as well as the functional integration of these systems. Topics covered include the musculoskeletal, cardiovascular, pulmonary, renal, gastrointestinal, endocrine, reproductive, and neurobiology systems. Various engaged learning modalities are utilized including peer instruction, team-based learning, and case-based learning. Gross anatomy laboratory prosection and dissection are also incorporated into each course.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
6

Contact Hours

Contact Hours Min:
90

Billing Hours

Billing Hours Min:
6

BMS 60517 - Body Systems Integration III

Overview

Course Description
Body Systems Integration I, II, and III introduce student to the anatomy and physiology of the major body systems as well as the functional integration of these systems. Topics covered include the musculoskeletal, cardiovascular, pulmonary, renal, gastrointestinal, endocrine, reproductive, and neurobiology systems. Various engaged learning modalities are utilized including peer instruction, team-based learning, and case-based learning. Gross anatomy labratory prosection and dissection are also incorporated into each course.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
6

Contact Hours

Contact Hours Min:
90

Billing Hours

Billing Hours Min:
6

BMS 60519 - Medical Science I

Overview

Course Description
This course will expose students to foundational concepts in the basic sciences that will be further emphasized in more rigorous courses, specifically Body Systems Integration I and II. This course will consist of both a classroom and laboratory component. Classroom sessions will include didactic lectures, small group discussions, and engaged learning. Laboratory sessions will be held in the gross anatomy laboratory and utilize prosected cadaveric material.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

BMS 60520 - Medical Sciences II

Overview

Course Description
This course will expose students to foundational concepts in the basic sciences that will be further emphasized in more rigorous courses, specifically Body Systems Integration III. Additionally, medical imaging modalities will be introduced and integrated to link fundamental anatomical knowledge with relevant clinical correlates. This course will consist of both a classroom and laboratory component. Classroom sessions will include didactic lectures, small group discussions, and engaged learning. Laboratory sessions will be held in the gross anatomy laboratory and utilize prosected cadaveric material.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

BMS 60521 - Academic and Professional Development

Overview

Course Description
Course prepares students in the health professions to understand the fundamentals of evidence-based medicine, organizational skills, professionalism, and best practices for academic success. In this 8-week course, students will have the opportunity to gain and refine their academic skills such as optimal studying behaviors while working with learning center specialists, library services, and other experts who prepare, support, and offer a continuity of services throughout health professions education. Workshops, didactic lectures, small group work, and assignments geared to academic and professional development in synchronous and asynchronous formats align with the busy student schedule.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Blended - A mix of online and in person

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

BMS 60522 - Essentials for Success in Medicine

Overview

Course Description
Course immerses students in the culture of medical practice and basic and translational sciences, while offering pre-matriculation preparation for medical school. A portion of the course is dedicated to the description of medical specialties, initial steps in patient care and reflection among providers in the field. Additionally, students will have comprehensive asynchronous basic science and evidence- based medical modules, along with modular assessments, in preparation for a rigorous, fast paced medical curriculum. This course is both synchronous and asynchronous and is led by experts in medicine, science, and the health humanities for a well-rounded comprehensive pre-matriculation experience.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Blended - A mix of online and in person

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

BMS 60594 - Independent Study in Foundations of Medicine

Overview

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture, Combined Lecture/Lab, Research, Laboratory/Simulation, Small Group Discussion, Clinical Experience

Grade Modes
Letter (A, B, C, F), Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
8

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
8

Billing Hours Operator:
TO

BMS 60595 - Special Topics

Overview

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Independent Study (Historical No Longer Active), Laboratory/Simulation, Lecture, Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F), Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
3

Billing Hours Operator:
TO

BMS 60909 - Epidemiology

Overview

Course Description
This course introduces epidemiologic methods, terminology, concepts, and application to health research. Students will explore the principles of disease frequency, causal inference, and the use of statistical methods to analyze health data. Topics include experimental and observational study designs, survival analysis, time-series analysis, sample size calculation, power, effect size, and statistical methods for controlling confounding factors and determining effect modification. Emphasis will be placed on conceptual understanding which will be used to drive methodological choices and the interpretation and presentation of results.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Research

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

COGX 6095X - ST: Special Topics

Overview

Course Description
Under specific circumstances, a graduate degree-seeking student from Northeast Ohio Medical University may take one or more graduate courses at The University of Akron, Cleveland State University, Kent State University, Ohio University, or Youngstown State University by registering through our consortia cross-registration program. The course should contribute to the student's program of study and be unavailable at Northeast Ohio Medical University when needed to complete the student's program. Course titles are manually edited to describe section content to extent possible.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
2

Credit Hours Max:
3

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
2

Billing Hours Max:
3

Billing Hours Operator:
TO

Number Of Repeats:
10

COGX 8095X - ST: Special Topics

Overview

Course Description
Under specific circumstances, a graduate degree-seeking student from Northeast Ohio Medical University may take one or more graduate courses at The University of Akron, Cleveland State University, Kent State University, Ohio University, or Youngstown State University by registering through our consortia cross-registration program. The course should contribute to the student's program of study and be unavailable at Northeast Ohio Medical University when needed to complete the student's program. Course titles are manually edited to describe section content to extent possible.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
2

Credit Hours Max:
3

Credit Hours Operator:
OR

Billing Hours

Billing Hours Min:
2

Billing Hours Max:
3

Billing Hours Operator:
OR

DATA 60408 - Statistical Methodology in the Biomedical Sciences

Overview

Course Description
This course aims at providing an overview, as well as working knowledge in the essential statistical methodology routinely used in biomedical data analysis. Starting from standard, general methodology (sampling techniques and data classification, descriptive univariate and bivariate statistics, introductory probability, conditional probability and the Bayes formula, random variables and their probability distributions, sampling distributions and the central limit theorem, confidence intervals and hypothesis tests for a single sample, confidence intervals and hypothesis tests for two samples, one-way and two-way ANOVA, simple and multiple linear regression, categorical data analysis), this course will end with some topics specifically geared towards biomedical and clinical practitioners/researchers (brief introductions to epidemiology, survival analysis, clinical trials and bioinformatics).

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Blended (Historical No Longer Active), Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

DATA 60705 - Clinical Informatics and Technology

Overview

Course Description
Examines the issues related to the application of informatics and information technology to deliver health care services currently and into the future. Includes clinical decision support, documentation, electronic health records, and utilization of data to improve healthcare.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

DATA 60806 - Appl. Data Anal. in Health Sys

Overview

Course Description
During this course students will gain knowledge about the basic principles and key concepts in digital healthcare solutions, big data analytics applications and biomedical innovation including human centered design processes.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

DATA 60901 - Machine Learning

Overview

Course Description
This course focuses on applications of machine learning to biomedical data through popular data mining and predictive modeling techniques. Students will be introduced to the basics of statistical/machine learning: supervised learning (e.g., linear models, nonlinear models, penalized methods, ensemble methods, etc.), and unsupervised learning (e.g., k-means clustering, nearest neighbors, hierarchical clustering, principal components analysis, etc.). Throughout the course, the student will learn how to apply methods, understand how those methods work, and their limitations.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

DATA 60902 - Statistical Computing

Overview

Course Description
This course introduces R and Python. It will give students an overview of these programming languages and provide fundamental grounding in these environments for accessing, structuring, formatting, and manipulating data. Students will learn how to wrangle, summarize, and display data. Other topics include an introduction to high-performance computing, distributed computing, version control, and cloud computing.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

DATA 60903 - Data Visualization

Overview

Course Description
This course introduces principles and techniques for creating effective interactive visualizations of categorical and numerical information and graphical exploratory data analysis. Primary topics include designing effective visualizations, implementing interactive visualizations using R or Python frameworks, and communicating data-driven findings. We'll also address using data visualization to motivate analyses and assess data quality while working with real-world examples.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

DATA 60904 - Statistical Methodology for Biomedical Sciences I

Overview

Course Description
This course introduces foundational statistical methods for biomedical research using R and Python. Students will gain practical experience with core topics such as sampling, probability, distributions, estimation, hypothesis testing, ANOVA, regression, and categorical data analysis. The course will utilize brief introductory overviews and examples of specialized applications relevant to biomedical and clinical research.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

DATA 60905 - Artificial Intelligence for Health Data

Overview

Course Description
This course provides a basic introduction to the use of artificial intelligence (AI) in healthcare. The course is structured as a survey of different application areas in healthcare, such as diagnosis, decision support, treatment planning, documentation support, clinical research, mobile health, and medical education. Topics will introduce learners to the requirements of the particular healthcare area, describe how AI is being used to support this area, and suggest various opportunities for new uses. In addition, challenges and risks of employing AI in healthcare areas will be identified.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

DATA 60906 - Deep Learning

Overview

Course Description
This course covers the concepts of neural networks and will touch upon some of the basic mathematical underpinnings. Different network architectures like convolutional neural networks and recurrent neural networks will be studied. Practical implementation using popular software frameworks like TensorFlow and PyTorch will entail hands-on experience with applying deep learning techniques to real-world problems in health professions.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

Requirements

Simple Requirements

DATA 60901 Machine Learning

Type
Prerequisite

DATA 60907 - Statistical Methodology for Biomedical Sciences II

Overview

Course Description
This course teaches more nuanced statistical analysis tools for biomedical research using R and Python. This course covers advanced regression topics, generalized linear models, generalized additive models, linear mixed models, splines and smoothing techniques, decision trees, and basic survival models. Health data will mainly be used in examples and the final project of the course.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

DATA 60908 - Electronic Health Records and Health Data

Overview

Course Description
The course will introduce the real-world use of Electronic Health Records (EHR) in healthcare delivery. Students will learn the functionality of EHR, technical infrastructures required, understand how EHR changes healthcare delivery workflows, best practices for deploying EHR, and data security-related issues critical to EHR implementation. This course also offers an overview of health and real-world biomedical data, including laboratory and clinical data from sensors, signals, images, text, and other sources.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

DENC 72211 - Clinical Skills

Overview

Course Description
The Clinical Skills course series provides instruction and skills practice to prepare students to function in the clinical environment. In D2 fall, students receive instruction in infection control policies and procedures, head and neck examination, intraoral examination, patient vital signs, radiography, and ergonomics.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Fall -Clinical Skills.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
16

Billing Hours

Billing Hours Min:
1

DENC 72314 - Clinical Skills

Overview

Course Description
The Clinical Skills course series provides instruction, skills practice, and skills assessment to prepare students to function in the clinical environment.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Clinical Skills - D2 Spring.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
16

Billing Hours

Billing Hours Min:
1

DENC 83101 - Clinical General Dentistry I

Overview

Course Description
In the Clinical General Dentistry I course, D3 students begin to implement the knowledge, skills and attitudes gained in the first two years of the program to provide oral health care for patients under the supervision of clinical faculty. Students will gain experience in providing basic clinical services and procedures, including patient assessment, diagnosis of oral disease and development of a treatment plan, disease prevention and health promotion, periodontal diagnosis and initial therapy, operative dentistry, and simple extractions.

• This course is hosted in the BCOD onsite clinics.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Cohort
D3 Cohort

Syllabus
DENC 83101 Clinical General Dentistry I 081026.docx

Credits

Credit Hours

Credit Hours Min:
10

Billing Hours

Billing Hours Min:
10

DENC 83201 - Clinical General Dentistry II

Overview

Course Description
In the Clinical General Dentistry I course, D3 students begin to implement the knowledge, skills and attitudes gained in the first two years of the program to provide oral health care for patients under the supervision of clinical faculty. Students will gain experience in providing basic clinical services and procedures, including patient assessment, diagnosis of oral disease and development of a treatment plan, disease prevention and health promotion, periodontal diagnosis and initial therapy, operative dentistry, and simple extractions.

• This course is hosted both in the BCOD onsite clinics and in affiliated sites.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Cohort
D3 Cohort

Syllabus
DENC 83201 Clinical General Dentistry II 081026.docx

Credits

Credit Hours

Credit Hours Min:
16

Billing Hours

Billing Hours Min:
16

DENC 83301 - Clinical General Dentistry III

Overview

Course Description
In the Clinical General Dentistry III course, D3 students continue to implement the knowledge, skills and attitudes gained in the first two years of the program, and build on their clinical experiences in Clinical General Dentistry I and II, to provide oral health care within the scope of general dentistry for patients under the supervision of clinical faculty.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Cohort
D3 Cohort

Syllabus
DENC 83301 Clinical General Dentistry III 081026.docx

Credits

Credit Hours

Credit Hours Min:
16

Billing Hours

Billing Hours Min:
16

DENC 83401 - Competency Assessment

Overview

Course Description
The course will test several areas of competency. These summative exams will serve as evidence of the formative learning process in the clinic during D3.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Cohort
D3 Cohort

Syllabus
DENC 83401 Competency Assessment 072826.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

DENC 84101 - Clinical General Dentistry IV

Overview

Course Description
In the Clinical General Dentistry IV course, D4 students build on their clinical experiences in the D3 Clinical General Dentistry I, II, and III courses to provide oral health care within the scope of general dentistry for patients under the supervision of clinical faculty.

• This course is hosted in the BCOD onsite clinics.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Cohort
D4 Cohort

Syllabus
DENC 84101 Clinical General Dentistry IV 081026.docx

Credits

Credit Hours

Credit Hours Min:
10

Billing Hours

Billing Hours Min:
10

DENC 84201 - Clinical General Dentistry V

Overview

Course Description
In the Clinical General Dentistry IV course, D4 students build on their clinical experiences in the D3 Clinical General Dentistry I, II, and III courses to provide oral health care within the scope of general dentistry for patients under the supervision of clinical faculty.

• This course is hosted in the BCOD onsite clinics.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Cohort
D4 Cohort

Syllabus
DENC 84201 Clinical General Dentistry V 081026.docx

Credits

Credit Hours

Credit Hours Min:
16

Billing Hours

Billing Hours Min:
16

DENC 84301 - Clinical General Dentistry VI

Overview

Course Description
In the Clinical General Dentistry IV course, D4 students build on their clinical experiences in the D3 Clinical General Dentistry I, II, and III courses to provide oral health care within the scope of general dentistry for patients under the supervision of clinical faculty.

• This course is hosted in the BCOD onsite clinics.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Clinical Experience

Grade Modes
Letter (A, B, C, F)

Cohort
D4 Cohort

Syllabus
DENC 84301 Clinical General Dentistry VI 081026.docx

Credits

Credit Hours

Credit Hours Min:
16

Billing Hours

Billing Hours Min:
16

DENT 71201 - Introduction to Patient - Centered Care

Overview

Course Description
The Introduction to Patient-Centered Care course provides foundational knowledge that will prepare students to provide patient-centered oral health care. Students learn about the distribution of oral disease in the population, are introduced to the context in which oral health care is provided through discussion of models of oral health care delivery, are introduced to the dental profession's principles of ethics and code of professional conduct, consider dentists' professional and legal responsibilities as health care providers, and receive instruction in foundations of patient-centered communication.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D1 Cohort

Syllabus
71201 Introduction to Patient-Centered Care.docx

Credits

Credit Hours

Credit Hours Min:
0.5

Contact Hours

Contact Hours Min:
8

Billing Hours

Billing Hours Min:
0.5

DENT 71202 - Dental Anatomy and Occlusion - Didactic

Overview

Course Description
The Dental Anatomy and Occlusion courses provides instruction in the anatomy and function of the masticatory system. Students learn the morphology of primary and permanent teeth, eruption sequences, anatomical components and function of the masticatory system, and basic concepts and principles of occlusion.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D1 Cohort

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

DENT 71203 - Dental Anatomy and Occlusion - Simulation Lab

Overview

Course Description
The Dental Anatomy and Occlusion courses provide instruction in the anatomy and function of the masticatory system. Students learn the morphology of primary and permanent teeth, eruption sequences, anatomical components and function of the masticatory system, and basic concepts and principles of occlusion.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Cohort
D1 Cohort

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
42

Billing Hours

Billing Hours Min:
3

DENT 71204 - Head and Neck Anatomy

Overview

Course Description
This course integrates a regional approach to head and neck anatomy with a systems-based approach to histological structure and embryology to provide an in-depth overview of structure and function of the head and neck. Course sessions will emphasize human variation and an applied understanding of anatomy by combining team-based learning, instructor-led discussion, and hands-on dissection in the gross anatomy laboratory.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
5

Contact Hours

Contact Hours Min:
76

Billing Hours

Billing Hours Min:
5

DENT 71205 - Biomedical Sciences Foundations

Overview

Course Description
The Biomedical Sciences Foundations course introduces students to the anatomy, physiology, and pathophysiology of the human body, including biochemical processes, cell biology, and tissue structure and function. Labs will focus on the gross anatomy of the musculoskeletal system.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
2.5

Contact Hours

Contact Hours Min:
37

Billing Hours

Billing Hours Min:
2.5

DENT 71206 - Flora, Pathogens, and Defense

Overview

Course Description
The Flora, Pathogens, and Defense course integrates microbiology, immunology, and infectious disease as they relate to human health and disease. The course emphasizes basic concepts and principles of microbes and the immune system, while focusing on clinical infectious diseases in organ systems in the host and emphasizing normal oral flora, biofilms, and mechanisms of infectious diseases affecting the oral cavity. Antibiotics, microbial resistance, and drugs acting on the immune system are identified.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3.5

Contact Hours

Contact Hours Min:
52

Billing Hours

Billing Hours Min:
3.5

DENT 71207 - Cariology

Overview

Course Description
The Cariology course provides instruction in the etiology, epidemiology, pathogenesis, prevention, and diagnosis of dental caries. Students are introduced to the International Caries Detection and Assessment System (ICDAS) and to the ADA Caries Risk Assessment Form. Students will learn to place a dental sealant in the preclinical laboratory setting and demonstrate the ability to self-assess their results.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
21

Billing Hours

Billing Hours Min:
1.5

DENT 71208 - Operative Dentistry I - Didactic

Overview

Course Description
This course is designed to introduce students to the basic principles, materials, and techniques used in operative dentistry. Students learn the principles of cavity preparation and the rationale for form, retention, resistance, function, and esthetics. Preservation of tooth structure is emphasized. The course presents basic concepts of operative dentistry that can be applied to all operative/ restorative procedures in the practice of general dentistry. The composition, properties and clinical applications of the following materials will be reviewed: amalgam, dental adhesives, composites, liners, and bases. There will be an emphasis on the following: the rationale for types of preparations and materials, indications and contraindications for different materials and types of restorations, and clinical problem solving related to operative dentistry in total treatment care.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 71209 - Operative Dentistry I - Simulation Lab

Overview

Course Description
This course is designed to introduce students to the basic principles, materials, and techniques used in operative dentistry, and provides instruction and preclinical typodont experiences in Class I and V preparations and restorations. Students learn the principles of cavity preparation and the rationale for form, retention, resistance, function, and esthetics. Preservation of tooth structure is emphasized. The clinical applications of the following materials will be reviewed: amalgam, dental adhesives, composites, liners, and bases. Students begin to develop habits and skills for self-assessment.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
2.5

Contact Hours

Contact Hours Min:
40

Billing Hours

Billing Hours Min:
2.5

DENT 71210 - Periodontics I

Overview

Course Description
The Periodontics I course provides an introduction to the periodontium in health and disease. Students receive instruction in the anatomy and histology of the periodontium, the etiology, pathogenesis, diagnosis and prognosis of gingivitis, periodontal probing and charting, oral hygiene practices and patient education for prevention of disease, and techniques for delivery of basic preventive care (prophylaxis).

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
22

Billing Hours

Billing Hours Min:
1.5

DENT 71301 - Introduction to Epidemiology and Evidence-Based Dentistry

Overview

Course Description
The Introduction to Epidemiology and Evidence-Based Dentistry course provides students with instruction in concepts and methods in epidemiology, with an focus on oral health and disease; an understanding of determinants of health and disease, including social determinants; study design and basic statistical literacy, with an emphasis on clinical, translational, and population-based research; and an introduction to, and skills for, evidence based dentistry, including searching the literature, understanding levels of evidence, critical appraisal of a scientific article and considerations for application of the best available evidence to patient care.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
24

Billing Hours

Billing Hours Min:
1.5

DENT 71302 - Anatomy, Physiology, and Pathophysiology

Overview

Course Description
This course integrates the physiology, anatomy, histology and biochemistry to provide basic understanding of the molecular and cellular processes underlying normal physiology of the Cardiovascular and Pulmonary, Renal, Gastrointestinal, Endocrine and Reproductive Organ systems. Pathophysiology of select diseases of each organ system will also be discussed, along with an emphasis on their interfaces with oral health. Lectures, discussions and Anatomy dissection laboratories will help to integrate and reinforce foundational concepts.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
7.5

Contact Hours

Contact Hours Min:
116

Billing Hours

Billing Hours Min:
7.5

DENT 71303 - Neurobiology

Overview

Course Description
The Neurobiology course introduces students to foundational aspects of the organization and function of the human nervous system with emphasis on neural mechanisms pertinent to the orofacial region. Cellular, biochemical and physiological components of neural function are integrated with neuroanatomical study and are presented in terms of both normal neural function and neurological disease/injury. This course will employ an active learning approach that encourages students to identify linkages between foundational knowledge and clinical relevance to dentistry.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
2.5

Contact Hours

Contact Hours Min:
38

Billing Hours

Billing Hours Min:
2.5

DENT 71305 - Introduction to Radiography

Overview

Course Description
The Introduction to Radiography course provides instruction in requirements for safe use of ionizing radiation in the provision of oral healthcare. Topics covered include radiation biology, radiation safety, types of radiographs used in the dental setting and indications for their use, indications for dental radiographs based on ADA and FDE recommendations, and techniques for taking a diagnostic full mouth series of radiographs.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 71306 - Disease Prevention and Health Promotion

Overview

Course Description
The Disease Prevention and Health Promotion course is positioned early in the curriculum to emphasize the importance of disease prevention and health promotion in oral health care. The course focuses on caries risk assessment and prevention, screening and risk assessment for head and neck cancer, and basic strategies for prevention of periodontal disease. Students receive instruction in the development of prevention plans for patients, and communication skills for patient education and effective health promotion.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
22

Billing Hours

Billing Hours Min:
1.5

DENT 71307 - Operative Dentistry II - Didactic

Overview

Course Description
The Operative Dentistry II didactic course is designed to introduce students to advanced cavity preparation and restorative techniques using composite-based and ceramic materials. It emphasizes both the form and function of restorations. The course will review the composition, properties, and clinical applications of biomaterials, including dental adhesives, bioactive composites, ceramics, liners, and bases. Additionally, it will cover clinical problem-solving related to composite resin-based and ceramic restorations within the context of total treatment care.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 71308 - Operative Dentistry II - Simulation Lab

Overview

Course Description
The Operative Dentistry II simulation laboratory course is designed to introduce students to advanced cavity preparation and restorative techniques using composite-based and ceramic materials, and provides instruction and preclinical typodont experiences in Class II, III, IV, veneers, and inlays/onlays. Students learn the principles of cavity preparation and the rationale for form, retention, resistance, function, and esthetics. Preservation of tooth structure is emphasized. The clinical applications of the following biomaterials will be reviewed: dental adhesives, composites, ceramics, liners, and bases.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
2.5

Contact Hours

Contact Hours Min:
40

Billing Hours

Billing Hours Min:
2.5

DENT 71309 - Fixed Prosthodontics I - Didactic

Overview

Course Description
The Fixed Prosthodontics I course introduces students to the basic principles, techniques, and materials in the use of single crowns for restoration of teeth. The course provides didactic instruction in preparation and restoration of teeth with all-ceramic, porcelain-fused-to-metal (PFM) and cast metal crowns. Students are introduced to CAD/CAM principles of preparation and restorative techniques, and material choice for single-appointment crown fabrication. Students begin to develop habits and skills for self-assessment.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 71310 - Fixed Prosthodontics I - Simulation Lab

Overview

Course Description
The Fixed Prosthodontics I preclinical simulation lab course introduces students to the basic principles, techniques, and materials in the use of single crowns for restoration of teeth. The course provides preclinical typodont experiences in preparation and restoration of teeth with all-ceramic, porcelain-fused-to-metal (PFM) and cast metal crowns. Students are introduced to CAD/CAM principles of preparation and restorative techniques, and material choice for single-appointment crown fabrication. Students begin to develop habits and skills for self-assessment.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
2.5

Contact Hours

Contact Hours Min:
40

Billing Hours

Billing Hours Min:
2.5

DENT 72101 - Oral Radiology

Overview

Course Description
The Oral Radiology course focuses on instruction in the appropriate use and interpretation of different types of radiographic imaging in dentistry, including bitewing, periapical, panoramic and CBCT images. Students begin to develop skills in the recognition of normal and abnormal findings that will contribute to their ability to arrive at accurate diagnoses.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Oral Radiology.docx

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
22

Billing Hours

Billing Hours Min:
1.5

DENT 72102 - Complete Dentures - Didactic

Overview

Course Description
The Complete Dentures course provides instruction in principles, techniques and materials for complete denture treatment for the edentulous patient. The course includes both didactic and preclinical simulation components. Students develop habits and skills for self-assessment.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Complete Dentures - Didactic.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
18

Billing Hours

Billing Hours Min:
1

DENT 72103 - Complete Dentures - Simulation Lab

Overview

Course Description
The Complete Dentures – Simulation Lab course provides preclinical instruction and exercises in principles, techniques and materials for complete denture treatment for the edentulous patient. Students develop habits and skills for self-assessment.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Complete Dentures - Sim Lab.docx

Credits

Credit Hours

Credit Hours Min:
3.5

Contact Hours

Contact Hours Min:
52

Billing Hours

Billing Hours Min:
3.5

DENT 72105 - Pediatric Dentistry - Didactic

Overview

Course Description
The Pediatric Dentistry - Didactic course provides instruction in all aspects of the care of the child patient by the general dentist, including physical and psychological development of children, patient assessment, disease prevention and health promotion, diagnosis, treatment planning, local anesthesia, pain and anxiety control, treatment, behavior management for the child patient, instruction in determining when referral to a specialist is indicated, communicating with parents/guardians, and ethical and legal issues related to care of pediatric patients.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Pediatric Dentistry - Didactic.docx

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
21

Billing Hours

Billing Hours Min:
1.5

DENT 72106 - Pediatric Dentistry - Simulation Lab

Overview

Course Description
The Pediatric Dentistry – Simulation Lab course provides preclinical instruction in treatment of the child patient by the general dentist. Students develop habits and skills for self-assessment.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Pediatric Dentistry - Sim Lab.docx

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
26

Billing Hours

Billing Hours Min:
1.5

DENT 72107 - Digital Dentistry Lab

Overview

Course Description
The Digital Dentistry Lab introduces students to core digital dentistry workflows with didactic and hands-on exercises. This preclinical course provides hands-on training in intraoral scanning, digital crown design, and 3D printing. Students will acquire and evaluate digital impressions/scan using the TRIOS 6 intraoral scanner, design a single-unit crown using 3Shape Design Studio, and fabricate their 3D printed restoration using Form Labs Form 4B/4BL 3D printers. Instruction includes fundamentals of digital data acquisition, CAD design principles, 3D printing workflow, resin handling, and post-processing procedures such as washing, curing, finishing, and polishing of printed restorations.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Combined Lecture/Lab

Grade Modes
Pass/Fail Count in GPA

Cohort
D2 Cohort

Credits

Credit Hours

Credit Hours Min:
2.5

Contact Hours

Contact Hours Min:
36

Billing Hours

Billing Hours Min:
2.5

DENT 72108 - Integrated Cases

Overview

Course Description
The D2 Integrated Cases course series provides students with experience in the integration and application of biomedical, clinical and behavioral sciences knowledge to patient cases.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Pass/Fail Count in GPA

Cohort
D2 Cohort

Syllabus
Integrated Cases.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72109 - Occlusion

Overview

Course Description
The Occlusion course provides dental students with a foundational understanding of how teeth contact and move in function, emphasizing terminology, tooth-guided movements, and the interpretation of occlusal patterns. Students will explore the relationship between occlusal anatomy, mandibular movement, and occlusal schemes such as canine guidance and group function. The course introduces principles of occlusal evaluation, including the rationale behind contact marking and the identification of typical and problematic contact patterns in maximum intercuspation and excursive movements. Students will also learn how restorative procedures can alter occlusion and how to minimize iatrogenic errors that disrupt functional schemes. Finally, the course develops awareness of early signs of parafunction and provides guidance on when to refer for further evaluation.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Summer - Occlusion course DRAFT syllabus 010826.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

DENT 72201 - Implant Dentistry

Overview

Course Description
The Implant Dentistry course is designed to introduce students to the basic principles, armamentaria, materials, and techniques utilized in implant dentistry. Students will learn how to evaluate patients and develop treatment plans to restore single edentulous spaces with dental implants based upon prosthetic requirements of form, function, and esthetics.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Implant Dentistry.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72202 - Interprofessional Education

Overview

Course Description
The Interprofessional Education course series provides dental students with the opportunity to learn with, from, and about students in other health professions. The course introduces students to the rationale for interprofessional collaboration in patient-centered care, to the Interprofessional Education Collaborative (IPEC) core competencies for interprofessional collaborative practice, and to the Agency for Healthcare Research and Quality (AHRQ)’s TeamSTEPPS concepts and evidence-based set of teamwork tools.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Interprofessional Education I.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

DENT 72203 - Pharmacology

Overview

Course Description
This course introduces students to the basic principles of pharmacology which include fundamentals of pharmacodynamics (mechanism of action), drug disposition and pharmacokinetics. The course teaches all the drug classes used to treat diseases of all organ systems, e.g.: neurological, cardiovascular, endocrine, and renal diseases. Common drug classes used in dentistry: anesthetics, analgesics, antibiotics, anti-inflammatory agents, and anti-coagulants, will be emphasized. The use of over-the-counter (OTC) herbals, vitamins, and supplements will also be taught. Drug interactions as well as drug misuse / abuse will be discussed in the course. Clinical cases will be discussed to help develop critical thinking skills and incorporate pharmacology knowledge in clinical practice.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Pharmacology.docx

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
60

Billing Hours

Billing Hours Min:
4

DENT 72204 - Oral Diagnosis and Treatment Planning I

Overview

Course Description
The Oral Diagnosis and Treatment Planning I provides students with an introduction to basic principles of oral diagnosis and treatment planning. Students are provided with instruction in appropriate data collection methods for identification and diagnosis of oral disease, development of a problem/diagnosis list, consideration of prognosis, development of appropriately sequenced treatment plans, and consideration of patient needs, preferences, values and limitations. Students begin to develop a systematic approach to oral diagnosis and treatment planning

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Oral Diagnosis and Treatment Planning I.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72205 - Periodontics II

Overview

Course Description
The D2 Periodontics II course provides students with instruction in the etiology, epidemiology, pathogenesis, prevention, diagnosis, and non-surgical treatment of periodontal disease. The course provides instruction in comprehensive periodontal evaluation, diagnosis and classification of periodontal disease, periodontal treatment planning, goals and techniques for non-surgical periodontal therapy, re-evaluation, prognosis, and the importance of the maintenance phase of care. Students learn indications for referral to a periodontist for further treatment.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Periodontics II.docx

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
28

Billing Hours

Billing Hours Min:
2

DENT 72206 - Fixed Prosthodontics II - Didactic

Overview

Course Description
Fixed Prosthodontics II provides an advanced introduction to the concepts and clinical principles of fixed partial dentures (FPDs) and implant-supported restorations. The course emphasizes diagnosis, treatment planning, abutment evaluation, preparation of compromised/debilitated teeth, provisionalization techniques, pontics-connector designs, and also promotes the development of dexterity in clinical dentistry. The course will serve as a foundation for implant prosthodontics, including prosthetically driven treatment for single- tooth implant restorations. This course prepares students to apply evidence-based decision-making in restoring missing teeth using both conventional FPDs and implant restorations.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Fixed Prosthodontics II - Didactic.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72207 - Fixed Prosthodontics II – Simulation Lab

Overview

Course Description
The Fixed Prosthodontics II - Simulation Lab course provides preclinical, hands-on instruction in the principles, techniques, and materials used for replacing missing teeth with fixed partial dentures (FPDs) and single-tooth implant restorations. Emphases will be placed on understanding clinical & laboratory step-by-step procedures as well as the development of a logical plan of treatment for FPDs. The course also introduces implant restorative procedures, including prosthetically driven single- tooth implant treatment workflows- surgical guide planning, experience with implant components, impression techniques- digital and conventional restorative workflows, and implant abutment selection. Throughout the course, students refine psychomotor skills and develop effective habits of self-assessment, critical evaluation, and adherence to evidence-based prosthodontic standards in preparation for clinical patient care in fixed prosthodontics and implant restorations.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Fixed Prosthodontics II - Simulation Lab syllabus 120125.docx

Credits

Credit Hours

Credit Hours Min:
2.5

Contact Hours

Contact Hours Min:
40

Billing Hours

Billing Hours Min:
2.5

DENT 72208 - Endodontics - Didactic

Overview

Course Description
The Endodontics course provides students with instruction in all aspects of pulpal therapy, including endodontic diagnosis, indications for root canal treatment, assessment of case complexity, prognosis, and principles, technique, and materials for root canal treatment. The course will address pain management and appropriate use of antibiotics with respect to pulpal and periarticular disease. More advanced topics in endodontics will also be addressed.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Endodontics - Didactic.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72209 - Endodontics – Simulation Lab

Overview

Course Description
The Endodontics – Simulation Lab course provides students with instruction in techniques for providing endodontic treatment. Students develop habits and skills for self-assessment.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Endodontics Simulation Lab syllabus 120125.docx

Credits

Credit Hours

Credit Hours Min:
2.5

Contact Hours

Contact Hours Min:
40

Billing Hours

Billing Hours Min:
2.5

DENT 72210 - Oral and Maxillofacial Surgery I

Overview

Course Description
The Oral and Maxillofacial Surgery I course provides instruction in the safe and effective administration of local anesthesia for dental procedures for the adult patient. Students are introduced to principles and techniques for tooth extraction, patient assessment and determination of case complexity, indications for referral, and management of post-operative complications of tooth extraction.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Oral and Maxillofacial Surgery I.docx

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

DENT 72212 - Integrated Cases

Overview

Course Description
The D2 Integrated Cases course series provides students with experience in the integration and application of biomedical, clinical and behavioral sciences knowledge to patient cases.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Fall - Integrated Cases.docx

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
22

Billing Hours

Billing Hours Min:
1.5

DENT 72213 - Nutrition

Overview

Course Description
This course introduces students to the basic concepts of nutrition which include the description of macronutrients, micronutrients, and dietary guidelines. The course teaches the nutritional needs of special populations and during illness. The causes and consequences of malnutrition and obesity will be taught in the course. Eating disorders and various diets will also be introduced in the course. Clinical cases will be discussed to help develop critical thinking skills and incorporate nutrition knowledge in clinical practice.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Nutrition Syllabus 120225.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72301 - Removable Partial Dentures - Didactic

Overview

Course Description
In the Removable Partial Dentures course, students learn patient evaluation, treatment planning, principles, techniques, and materials for removable partial denture treatment for the partially edentulous patient.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Removable Partial Dentures - Didactic.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72302 - Removable Partial Dentures – Simulation Lab

Overview

Course Description
In the Removable Partial Dentures course, students are provided with hands-on preclinical instruction in techniques and materials for removable partial denture treatment for the partially edentulous patient.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Removable Partial Dentures - Sim Lab.docx

Credits

Credit Hours

Credit Hours Min:
2.5

Contact Hours

Contact Hours Min:
40

Billing Hours

Billing Hours Min:
2.5

DENT 72303 - Operative Dentistry III

Overview

Course Description
The Interprofessional Education course series provides dental students with the opportunity to learn with, from, and about students in other health professions. Students learn about and practice the Interprofessional Education Collaborative (IPEC) core competencies for interprofessional collaborative practice and the Agency for Healthcare Research and Quality (AHRQ)'s TeamSTEPPS concepts and evidence-based set of teamwork tools.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Interprofessional Education II.docx

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
32

Billing Hours

Billing Hours Min:
2

DENT 72304 - Oral Pathology

Overview

Course Description
The Oral Pathology course provides students with a strong base of knowledge in oral and maxillofacial pathology, with instruction in the etiology, epidemiology, pathogenesis, diagnosis, prevention, management/treatment, and prognosis of oral and maxillofacial diseases.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Oral Pathology.docx

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

DENT 72305 - Patient Assessment

Overview

Course Description
The Patient Assessment course provides instruction in assessment of the patient's health to determine suitability for dental treatment and to minimize risk in the delivery of dental care. Students learn to review the patient's medical history, identify medical conditions that may impact the delivery of care, identify the need for consultation with other professionals prior to treatment, and recommend any modifications/precautions needed to safely treat the patient. Management of patients who have special needs due to medical complexity and/or significant physical limitations is addressed. Behavioral and social issues that may impact care are addressed.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Patient Assessment.docx

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
44

Billing Hours

Billing Hours Min:
3

DENT 72306 - Oral Diagnosis and Treatment Planning II

Overview

Course Description
The Oral Diagnosis and Treatment Planning II course builds on the Oral Diagnosis and Treatment Planning I course to further develop students' knowledge and skills in oral diagnosis and treatment planning. The course addresses treatment planning for the patient with more complex treatment needs. The application of evidence-based clinical practice guidelines in oral diagnosis and treatment planning is addressed. Students continue to develop a systematic approach to oral diagnosis and treatment planning.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Oral Diagnosis and Treatment Planning II.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72307 - Oral and Maxillofacial Surgery II

Overview

Course Description
The Oral and Maxillofacial Surgery II course builds on the Oral and Maxillofacial Surgery I course, providing instruction in advanced topics in oral and maxillofacial surgery. Through the course, students will gain knowledge that will equip them to be part of the interdisciplinary and/or interprofessional health care team caring for patients with complex oral and maxillofacial surgical needs.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Oral and Maxillofacial Surgery II.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72308 - Periodontics III

Overview

Course Description
The Periodontics III course provides students with instruction in surgical treatment of periodontal disease. Students will develop knowledge of indications and techniques for different types of periodontal surgery, and factors that influence prognosis. Indications for referral to a periodontist are covered.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Periodontics III.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72309 - Orthodontics

Overview

Course Description
The D2 spring Orthodontics course provides instruction in facial growth and development, patient evaluation and diagnosis of malocclusions, space management, principles of tooth movement, orthodontic treatment approaches and treatment planning, identification of case complexity and indications for referral to an orthodontist.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Orthodontics.docx

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

DENT 72310 - Orofacial Pain and Temporomandibular Disorders

Overview

Course Description
The Orofacial Pain and Temporomandibular Disorders course provides instruction in the etiology, prevention, patient evaluation, and management of orofacial pain and temporomandibular disorders.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Temporomandibular Disorders.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72311 - Geriatric Dentistry

Overview

Course Description
This course presents concepts for the delivery of oral healthcare for the geriatric patient. The course provides instruction in the aging process and the impact of aging on oral health and dental care utilization. Treatment planning and treatment modification considerations for the geriatric patient are addressed.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Geriatric Dentistry.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72312 - Dental Ethics and Law

Overview

Course Description
The Dental Ethics and Law course includes further instruction in the ADA's ethical principles, common ethical dilemmas, instruction in the ethical decision-making process, and the intersection of ethics and the law. Case-based discussions in this course provide the opportunity for students apply and practice the ethical decision-making process.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Dental Ethics and Law.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72313 - Conscious Sedation

Overview

Course Description
The minimal sedation course provides students with training to administer inhalational and/or enteral medications to provide minimal sedation for the apprehensive patient. Emphasis is placed on safety, and training will include in-depth instruction in sedation pharmacology, physiology, pre-sedation screening, peri-sedation monitoring, and post-procedure patient assessment and discharge. Dosing approaches and techniques will be provided and emergency protocols reviewed to provide the student with the skills needed to provide safe and efficacious minimal sedation.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Conscious Sedation.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

DENT 72315 - Management of Medical Emergencies

Overview

Course Description
The Management of Medical Emergencies course provides instruction in the prevention, recognition, and management of medical emergencies in the dental office.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Management of Medical Emergencies.docx

Credits

Credit Hours

Credit Hours Min:
0.5

Contact Hours

Contact Hours Min:
9

Billing Hours

Billing Hours Min:
0.5

DENT 72316 - Management of Dental Emergencies

Overview

Course Description
The Management of Dental Emergencies course, taken at the end of the D2 spring semester, provides instruction in the management of dental emergencies that builds on the knowledge and skills that students developed in prior courses. Students will develop a systematic approach to diagnosis and management of acute pain, infection, post-operative bleeding, hard and soft tissue injury due to trauma, and restorative/prosthodontic emergencies.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Management of Dental Emergencies.docx

Credits

Credit Hours

Credit Hours Min:
0.5

Contact Hours

Contact Hours Min:
7

Billing Hours

Billing Hours Min:
0.5

DENT 72317 - Integrated Cases

Overview

Course Description
The D2 Integrated Cases course series provides students with experience in the integration and application of biomedical, clinical and behavioral sciences knowledge to patient cases.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D2 Cohort

Syllabus
D2 Integrated Cases - D2 Spring.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

DENT 83302 - Practice Management

Overview

Course Description
During D3, the Practice Management course provides instruction in models of oral healthcare delivery, principles of practice management and how to function as the leader of the oral health care team.

Academic Level
Professional

College
Bitonte College of Dentistry

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
D3 Cohort

Syllabus
DENC 83302 Practice Management 073026.docx

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

DERM 84000 - Dermatology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

DERM 84001 - Dermatology & Mohs Surgery

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

EMED 83007 - Emergency Medicine Clerkship

Overview

Course Description
The Emergency Medicine Clerkship is a continuous three-week clinical rotation focused on the undifferentiated patient in the acute care setting. This core curriculum is designed to provide all M3 students with an introduction to the basic knowledge, skills and attitudes of emergency medicine that are essential to the fundamental education of all physicians. Students, working with residents and emergency medicine physicians, will encounter a wide range of patients, presenting complaints and levels of acuity. Learning is primarily through direct patient care experience and bedside teaching, supplemented with lectures and directed readings. The clerkship is designed to ensure that all students, regardless of their intended career path, have a broad exposure to emergency medicine.

Academic Level
Professional

College
College of Medicine

Schedule Type
Clerkship

Grade Modes
Honors/Pass/Fail, Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

EMED 84000 - Emergency Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

EMED 84001 - Urgent Care

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

EMED 84002 - Wilderness Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

EMED 84003 - Emergency Medicine-Ultrasound

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

ETH 60304 - Clinical Ethics: Research, Policy & Practice

Overview

Course Description
This course will cover several important issues in clinical ethics consultation, health care policy, and public health with a focus on various approaches to patient-centered and community-centered deliberation. The purpose of this course is to educate graduate students and health care professionals to understand the nature of clinical ethics consultations, hospital committee work, including the development and implementation of ethical guidelines and policies, and the different approaches to ethical decision-making and guidance.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

ETH 60305 - Organizational Ethics

Overview

Course Description
Organizational ethics is an area of study in health care management that focuses on ethical issues and conflicts among health care leaders, consultants, community and patient advocates, and health care organizations. The ethical dilemmas managers, board members, and stakeholders in the community may encounter affect decisions and practices on patients, providers, and others. These issues and dilemmas may include resource allocation and prioritization of healthcare resources, disclosure and management of risk, conflicts of interests, conflicts among values between providers and medical teams and the institutions they serve, and roles of institutions in social reform. Students will be exposed to many of these organizational ethical issues, as well as, be expected to navigate through dilemmas and provide resolution and/or recommendations when presented with cases and scenarios.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture, Independent Study (Historical No Longer Active)

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

ETH 60308 - Health Care Justice

Overview

Course Description
Healthcare Justice is a one-credit hour, intensive weekend course offered in March. This course focuses on issues in healthcare justice, such as the allocation and accessibility of healthcare resources, rural healthcare ethics and social determinants of ill health. This discussion-based course, which is required for all Certificate students, gives students the opportunity to collaborate and discuss interesting and difficult dilemmas in their own healthcare systems. Rigorous reading and writing assignments are given to students at the start of the spring semester in preparation for this course.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

ETH 60311 - Psychiatric Ethics

Overview

Course Description
This elective course is offered every other year in November (two Saturday sessions) and involves an exploration into the philosophical and clinical dimensions of mental health and the practice of psychiatry. Students will be exposed to historical and contemporary issues and texts, and discuss topics ranging from the conceptualization of mental illness to boundary violations in the clinical setting. Students who wish to take this elective must read “Protest Psychosis” as a pre-required assignment/pre-requisite.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

ETH 60312 - Primary Care Ethics

Overview

Course Description
This is an elective course in bioethics where students will be exposed to a variety of ethical issues and dilemmas specific to primary care. In building upon clinical ethics content and theoretical foundational material, students will gain knowledge about the therapeutic relationship between primary care providers, patients, and their families, the role of virtue in caregiving, and ethical issues throughout the lifespan (from prenatal care to geriatrics). There are characteristics of the pediatric, adolescent and adult populations that present unique concerns and challenges that require careful ethical consideration. Throughout this course, we will explore these distinctive issues and identify the ethical tools necessary to deliberate on and assist in making decisions.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

ETH 60315 - Surgical Ethics

Overview

Course Description
Surgical Ethics is a 1 credit course that explores common ethical dilemmas and general topics specific to the medical specialty. The course covers a total of 6 units including: Informed Consent and Disclosure; Professional Self- Regulation; Innovation and Research; Conflicts of Interest and Commitments; High Risk Patients and Surgical Challenges; and, End of Life Technologies and Issues. The topics are based on those dilemmas most encountered by surgical residents and attendings, and the challenges of working with new technologies and protocols.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

ETH 60321 - Healthcare Law and Ethics

Overview

Course Description
Explains the relationship between law and ethics in the design and operation of health systems to include health system governance. Describes the challenges presented when shift from dyadic approach to care to systems-based approach and shift to value based care. Includes issues related to insurance, consent to treatment, medical malpractice, HIPAA, conflict of interest and fraud and abuse.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

ETH 60394 - Independent Study in Medical Ethics

Overview

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Laboratory/Simulation, Lecture, Combined Lecture/Lab, Research, Small Group Discussion, Clinical Experience, Seminar, Practicum

Grade Modes
Letter (A, B, C, F), Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
8

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
8

Billing Hours Operator:
TO

Number Of Repeats:
3

ETH 60395 - Special Topics

Overview

Course Description
A Special Topics course provides focused study of an advanced, emerging, or interdisciplinary subject not covered in the standard curriculum. Content varies by term to reflect current developments and faculty expertise, emphasizing critical engagement with research, integration of complex ideas, and application of advanced analytical approaches. Through readings, discussions, and project-based or research-focused work, students develop deep understanding of the selected topic and strengthen skills in independent inquiry and scholarly communication. The course may be repeated for credit under different topics.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Laboratory/Simulation, Lecture, Combined Lecture/Lab, Clinical Experience, Small Group Discussion

Grade Modes
Letter (A, B, C, F), Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
3

Billing Hours Operator:
TO

FMCM 72150 - Primary Care Delivery Systems

Overview

Course Description
The PCDS course is exclusively for students enrolled in the Accelerated Family Medicine Program. This 8-week course occurs during the summer between M1 and M2. Clinical training is the focus of this course. Students will gain experience in the primary care delivery system, with an emphasis on recognizing, assessing, and improving patient care.

Academic Level
Professional

College
College of Medicine

Schedule Type
Clinical Experience

Grade Modes
Pass/Fail

Cohort
M2FM

Credits

Credit Hours

Credit Hours Min:
6

Contact Hours

Contact Hours Min:
207

Billing Hours

Billing Hours Min:
6

Lecture Hours

Lecture Hours Min:
15

Other Hours

Other Hours Min:
192

FMCM 83006 - Family Medicine Clerkship

Overview

Course Description
The Family Medicine Clerkship is a five-week clinical rotation that is designed to provide all M3 students with an introduction to the basic knowledge, skills, and attitudes of the discipline of family medicine. Students will develop a working knowledge of the role of the family physician in the health care delivery system through experiences in both inpatient and ambulatory settings. Students will learn through direct patient care experience, bedside teaching and ward rounds, supplemented with small group discussions, peer teaching, conferences, case-studies and lectures. The clerkship is designed to provide opportunities to apply basic knowledge, attitudes, and skills to the care they deliver to patients and families during the rotation.

Academic Level
Professional

College
College of Medicine

Schedule Type
Clerkship

Grade Modes
Honors/High Pass/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
5

Billing Hours

Billing Hours Min:
5

FMCM 84000 - Family Medicine Elective

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

FMCM 84001 - Quality Improvement

Overview

Course Description
This fourth-year online course introduces students to systems-related issues that can lead to errors or inefficiencies. Students will learn about health care improvement through the model for improvement and the PDSA cycle. Learners will also examine and solve problems that they have experienced in clinical settings regarding the quality, cost, or value in health care through a team root cause analysis exercise. Students will discuss their proposed projects addressing one of the Institute of Medicine's six dimensions of quality with healthcare colleagues. (Students officially enrolled in accelerated programs may take this course prior to the M4 year.)

Academic Level
Professional

College
College of Medicine

Schedule Type
Lecture

Grade Modes
Pass/Fail

Instructional Methods
Online

Cohort
M4 Cohort, M2FM

Credits

Credit Hours

Credit Hours Min:
0.5

Contact Hours

Contact Hours Min:
20

Billing Hours

Billing Hours Min:
0.5

FMCM 84002 - Social Determinants of Health

Overview

Course Description
The Social Determinants of Health (SDH) course is a 4-week; online course for fourth-year medicine students. The SDH course is designed to expand upon previous instruction about health inequities and the political and social structures which perpetuate them. The main goal of the course is to increase students' awareness of the impact that social determinants and distribution of resources have on health and well-being, enabling them to advocate for patients and communities as their influence within the medical profession grows. Throughout the course, students will be challenged to examine how social factors and conditions can impact individual, community and population health. Specific factors such as: income, education, race, power, geography, and employment will be considered as mechanisms that generate and perpetuate inequities. Further, students will have the chance to create patient case narratives and advocacy plans to address SDH in their own experiences. (Students officially enrolled in accelerated programs may take this course prior to the M4 year.)

Academic Level
Professional

College
College of Medicine

Schedule Type
Lecture

Grade Modes
Pass/Fail

Instructional Methods
Online

Cohort
M4 Cohort, M2FM

Credits

Credit Hours

Credit Hours Min:
0.5

Billing Hours

Billing Hours Min:
0.5

FMCM 84003 - Family Medicine - Outpatient

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

FMCM 84004 - Family Medicine - Inpatient

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

FMCM 84005 - Sports Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

FMCM 84006 - Community Outreach Medicine and Preventative Health

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

FMCM 84007 - Public Health Elective

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

FMCM 84008 - MEDCAMP

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

FMCM 84009 - Academic Family Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

FMCM 84010 - Integrative Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

FMCM 84011 - Population Health Rotation

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

FMCM 84012 - Culinary Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

GLBH 60801 - Medical Innovation in Underserved and Global Health

Overview

Course Description
Designed to introduce the concepts of health and healthcare in low resource settings. Learners will achieve their learning goals through a combination of online, asynchronous learning modules paired with 4 workshops, where learners and instructors engage, discussing and dissecting content in detail. This course provides an introduction to experiential, participatory teaching strategies in low resource settings, maternal-child health and healthcare financing. Students will complete a global ethics workshop in which common dilemmas and historical approaches will be analyzed in the context of differing value systems found worldwide. Following completion of the course, learners will be able to describe global disease burdens, economic ramifications of poor health and understand social, environmental, cultural, gender and ethnic contributions to population health and will be prepared to apply a holistic approach to problem solving.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

GLBH 60802 - Understanding Health Systems: Quality Value Cost

Overview

Course Description
This course introduces students to systems theory and the structure and function of health systems, with an emphasis on innovation in healthcare. Through a combination of online learning and hands-on workshops, students develop skills in process management, quality improvement, team-based care, and health systems analysis. The course also introduces qualitative and quantitative research methods applicable to low-resource settings, including knowledge, attitude, and practice surveys, needs and feasibility assessments, and capacity analysis. Students engage with innovators to explore frugal and value-based approaches to healthcare delivery. By the end of the course, students are prepared to conduct basic health system analyses and identify cost-effective, innovative solutions.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Blended - A mix of online and in person

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

GLBH 60803 - Principles in Digital Health Innovation

Overview

Course Description
This course is designed to introduce the student to real-world applications of digital healthcare innovations in a range of healthcare environments. Lead by internationally renowned experts in digital healthcare applications. Instructors will demonstrate design and application concepts for digital healthcare solutions applicable in resource rich and resource limited environments. Students will understand how digital healthcare solutions can be applied to enable caregivers, public hospitals, and private health enterprises to create a cohesive network for seamless exchange of patients' medical data and provide patient care through a health information system. Students will understand design concepts pertinent to electronic health records which address health information management, clinical decision making support integration.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Blended - A mix of online and in person

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

GLBH 60804 - Introduction to Biomedical Innovation and Entrepreneurship I

Overview

Course Description
NEOVATIONS is a student focused innovation hub and teaching center which is home to a variety of initiative. Students will participate in NEOvations B2B program, attending small lectures, paper discussions (journal club), attending on-line lectures/workshops, site visits from local innovation and design hubs, and attending career development sessions. The bench to bedside program guides students through the process of innovation and culminates in a B2B competition event in which students showcase their novel solutions (Captstone project). Innovation leaders at NEOMED, industry experts, digital health innovators, engineering, business and law experts will give the student an overview of human centered design and emerging markets.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture, Independent Study (Historical No Longer Active)

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Blended - A mix of online and in person, Blended - A mix of online and in person

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

GLBH 60805 - Immersion in Global Health and Underserved Health

Overview

Course Description
Experiential learning is a key component of knowledge and skill application. Without hands-on immersive experiences students are unable to conceptualize the challenges and circumstances, both of which have an immense influence in designing suitable, culturally and economically appropriate health interventions in that very environment. The Global Innovation and Immersion Experience (GIIE) provides hands on learning and practice opportunities at NEOMED partner sites in underserved locations in the US and worldwide. The GIIE is a mentored experience where learners apply concepts of population health, quality improvement, innovation and outcomes measurement in a real-world limited resource setting. Learners will join existing teams of innovators, clinicians and community/public health specialists in low resource environments and will work and live within the community. Through full immersion, learners will experience the broader context of health, disease, culture, economics, geography and systems-based care, health systems and the environment.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Practicum, Clinical Experience

Grade Modes
Pass/Fail

Instructional Methods
In person

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

GLBH 60809 - Introduction to Biomedical Innovation and Entrepreneurship II

Overview

Course Description
Students will participate in NEOvations B2B program, attending small lectures, paper discussions (journal club), attending on-line lectures/workshops, participation in publications (review articles or scientific papers), site visit of local innovation and design hubs, and attending career development sessions. The bench to bedside program is a 2-semester activity which guides students through the process of innovation and culminates in a B2B competition event in which students showcase their novel solutions (Capstone project). Innovation leaders at NEOMED, industry experts, digital health innovators, engineering, business and law experts will give the student an overview of human centered design and emerging markets.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

GLBH 60810 - Program Planning and Design

Overview

Course Description
The student will build on the initial immersion experience and further develop the concept of digital data collection, supporting the implementation of a community-based quality improvement initiative designed to reduce preventable neonatal and maternal mortality. The student will work with the medical team overseas to develop and refine the data collection tool, transfer the data that are currently captured in a Pennant paper format to a digital format and assist with utilization of the collected data in real-time service provision and medical decision making. The student will be in contact with the overseas medical team to learn about challenges and barriers to implementation and simultaneously form a team with local partners to address these challenges. Lastly, the student will perform an end user perception survey of the low birth weight data collection tool and report the outcomes of the survey using standard qualitative research methodology.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
2

Credit Hours Max:
3

Credit Hours Operator:
OR

Contact Hours

Contact Hours Min:
30

Contact Hours Max:
45

Contact Hours Operator:
OR

Billing Hours

Billing Hours Min:
2

Billing Hours Max:
3

Billing Hours Operator:
OR

GLBH 60811 - Understanding Health Systems: Quality Value Cost I

Overview

Course Description
Global Health and Health Systems is designed to introduce the learner to systems theory in general and health systems in detail as well as basic concepts of innovation in healthcare. Through a combination of online learning courses and hands on workshops, learners will acquire knowledge in process management in health settings, quality improvement strategies, team building skills and health system analysis. Students will learn qualitative and quantitative research strategies for low resource environments such as knowledge, attitude practice surveys, design of needs and feasibility assessments, and health systems capacity analysis. In a series of workshops, learners will engage with innovators at NEOMED and in partner countries and understand the concepts of value addition through frugal innovation in low resource settings. Following completion of this course learners will be able to perform a basic health system capacity analysis and identify innovative, cost effective approaches.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
22

Billing Hours

Billing Hours Min:
1.5

GLBH 60812 - Understanding Health Systems: Quality Value Cost II

Overview

Course Description
Global Health and Health Systems is designed to introduce the learner to systems theory in general and health systems in detail as well as basic concepts of innovation in healthcare. Through a combination of online learning courses and hands on workshops, learners will acquire knowledge in process management in health settings, quality improvement strategies, team building skills and health system analysis. Students will learn qualitative and quantitative research strategies for low resource environments such as knowledge, attitude practice surveys, design of needs and feasibility assessments, and health systems capacity analysis. In a series of workshops, learners will engage with innovators at NEOMED and in partner countries and understand the concepts of value addition through frugal innovation in low resource settings. Following completion of this course learners will be able to perform a basic health system capacity analysis and identify innovative, cost effective approaches.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
22

Billing Hours

Billing Hours Min:
1.5

GLBH 60894 - Independent Study in Global Health Innovation

Overview

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Clinical Experience, Laboratory/ Simulation, Combined Lecture/Lab, Lecture, Small Group Discussion, Research

Grade Modes
Letter (A, B, C, F), Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
8

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
8

Billing Hours Operator:
TO

GLBH 60895 - Special Topics

Overview

Course Description
A Special Topics course provides focused study of an advanced, emerging, or interdisciplinary subject not covered in the standard curriculum. Content varies by term to reflect current developments and faculty expertise, emphasizing critical engagement with research, integration of complex ideas, and application of advanced analytical approaches. Through readings, discussions, and project-based or research-focused work, students develop deep understanding of the selected topic and strengthen skills in independent inquiry and scholarly communication. The course may be repeated for credit under different topics.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Clinical Experience, Independent Study (Historical No Longer Active), Lecture, Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F), Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
8

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
8

Billing Hours Operator:
TO

GLBH 84000 - Global Health

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

GMED 83000 - Prerequisite to the Clinical Curriculum

Overview

Course Description
Prerequisite to the Clinical Curriculum (PCC) integrates the longitudinal courses and Principles of Medical Science by incorporating the information from the first two years while also adding new knowledge and new skills needed for the upcoming clinical years. It is designed to help students develop the skills and attitudes essential to the application of medical knowledge and professional behavior in the clinical setting. Students are expected to take increasing responsibility for their preparation and professional conduct, including attendance, timeliness, respect, and feedback.

Academic Level
Professional

College
College of Medicine

Schedule Type
Combined Lecture/Lab, Online (Historical No Longer Active)

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
63

Billing Hours

Billing Hours Min:
4

GMED 83003 - M3 USMLE Step 2 Prep

Overview

Course Description
A required course that provides students with the time and study resources to prepare for their Step 2 CK exam. Required components include: online recorded presentations and/or resource tutorials and explorations, discussion board posts, weekly assignments (study plan, upload of practice exam score reports, reflection exercises, etc.), and independent study. The major emphasis of the course is to provide independent study time for learning and study plan design. The entire course is online and self-paced for students to complete their weekly requirements at their convenience prior to each week's deadline. There are no on-campus components for this course. Offered as the final course of the M3 year for all students. Strongly recommended for all M3 students; students may petition to opt out.

Academic Level
Professional

College
College of Medicine

Schedule Type
Independent Study (Historical No Longer Active), Online (Historical No Longer Active), Lecture

Grade Modes
Pass/Fail

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
0.5

Contact Hours

Contact Hours Min:
7

Billing Hours

Billing Hours Min:
0.5

GMED 84000 - Clinical Epilogue and Capstone

Overview

Course Description
Clinical Epilogue and Capstone (CEC) provides students with preparation for residency through examination and mastery of key skills, knowledge, and attitudes necessary to thrive during residency. The course is divided into two parts: 1) large-group sessions on such topics as resident rights, palliative care, social justice, and medicolegal issues; and 2) small-group elective courses in the social sciences, arts, and humanities meant to complement bioscientific approaches to medical practice. Both large-group sessions and electives ask students to reflect on the multiple and often contradictory challenges and meanings of a life in medicine.

Academic Level
Professional

College
College of Medicine

Schedule Type
Lecture

Grade Modes
Pass/Fail

Cohort
M4 Cohort, M3FM

Credits

Credit Hours

Credit Hours Min:
4.5

Contact Hours

Contact Hours Min:
67.5

Billing Hours

Billing Hours Min:
4.5

GMED 84003 - USMLE Step 2 Prep

Overview

Course Description
An optional elective course to prepare for the Step 2 CK exam. Required components include: two hours of online presentations with formative quizzes and discussion posts, 17 hours of independent study, self-reflection exercises related to study plan design and exam performance, and assignment submissions related to study plan creation and practice exams/resources. Only offered in block 1 of M4. All NEOMED students have access to course resources, regardless of enrollment in this course, in case their exam is scheduled for a later date, and they cannot take this elective.

Academic Level
Professional

College
College of Medicine

Schedule Type
Independent Study (Historical No Longer Active), Lecture

Grade Modes
Pass/Fail

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
0.5

Billing Hours

Billing Hours Min:
0.5

GMED 84004 - Medical Simulation

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

GMED 84005 - Narrative Medicine Ind. Study

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

GMED 84006 - Medical Education Elective

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

GMED 84007 - Community Pharmacy Elective

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

GMED 84008 - Employee Hlth/Corporate Hlth

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

GMED 84009 - Autism Education

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

HID 60813 - Bioinnovation I

Overview

Course Description
This is the first of two graduate-level courses focused on medical device innovation. It utilizes an FDA design process along with other tools of innovation to identify unmet clinical needs, analyze complex clinical problems, evaluate current diagnostic and therapeutic approaches, establish requirements, develop and test viable solutions, and concept refinement.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

HID 60814 - Bioinnovation II

Overview

Course Description
This is the second of two graduate-level courses on medical device innovation. It continues where the pre-requisite, Bio Innovation I, left off with students completing their design and testing it against requirements. Students will also learn and develop a business model based on intellectual property considerations, sales and market analysis, FDA regulatory requirements, and a commercialization strategy. The course culminates with participation in a business pitch competition.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

Requirements

Simple Requirements

BMS 60414 - Bioinnovation I

Type
Prerequisite

HID 60815 - Medical Device Prototyping I

Overview

Course Description
Hands-on training modules in the MEDIC Innovation Lab that will enable students to better utilize the tools required for prototyping. The first semester series incorporates basic hand tools, electric power tools, and 3D printing that culminates in a project incorporating all those skills.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

HID 60816 - Medical Device Prototyping II

Overview

Course Description
Students will continue their hands-on training in the MEDIC Innovation Lab for advanced prototyping. They will learn to use equipment including advanced 3D printers, machine tools, and 3D scanners.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

HSMG 60701 - Systems Thinking

Overview

Course Description
Explores the concept of systems thinking and application of systems thinking habits and tools necessary to address complexity of health systems and connect the domains of health system science in the delivery of holistic, comprehensive patient-centered care.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

HSMG 60702 - Health Care Structure and Processes

Overview

Course Description
This course covers the structures and processes of the U.S. health care system. Examines issues related to the organization of individuals, institutions, resources, and processes for delivery of health to meet the needs of patients and populations of patients.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

HSMG 60703 - Health Care Policy and Economics

Overview

Course Description
Examines the issues related to the development and impact of health policy to achieve specific health care goals. Includes issues related to the efficiency, effectiveness, value, and behavior in the production and consumption of health care.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

HSMG 60704 - Population, Public and Determinants of Health

Overview

Course Description
Examines the multiple determinants of health and impact on health outcomes. This course also introduces the principles of population and public health and how practitioners influence the population's health through these systems.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

HSMG 60707 - Health Care Optimization

Overview

Course Description
The Health Care Optimization course will explore the current healthcare system and challenge its effectiveness. Historically, medical education has not fully addressed how healthcare systems are shaped by various social factors and how existing policies can contribute to healthcare disparities. Health care optimization focuses on addressing disparities in health outcomes related to access to care, utilization, disease prevalence, quality of care, and overall health outcomes. These disparities can affect populations in different ways, including variations linked to race, religion, nationality, ethnicity, socioeconomic status, gender, age, and other factors. In this course, you will engage in meaningful discussions about bias, social and psychosocial determinants of health, and the current state of healthcare systems. Students will explore how certain policies may negatively impact vulnerable populations and will analyze factors that influence both patients and healthcare providers.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

HSMG 60708 - Leadership and Teaming

Overview

Course Description
This course focuses on leadership theories and key competencies crucial to health care and the role of leadership behaviors in establishing culture. Examines evolving role of interprofessional practice, principles of teamwork and team science and the practice of teaming and the impact on delivery of care.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

HSMG 60709 - Change Management

Overview

Course Description
This course focuses on developing strategies for sustainable change in health systems and gain knowledge required to implement and oversee change initiatives while managing resistance from stakeholders. Examines principles from leading experts in the field of change management.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture, Blended (Historical No Longer Active)

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

HSMG 60710 - Integrated Experiential Capstone

Overview

Course Description
The Integrated Experiential Capstone is an immersive experience with a health system partner that culminates in the application of knowledge and skills from courses in the MLHSS program. Students will apply systems thinking as they partner with assigned leadership of an institution to collaborate on an improvement initiative supporting principles of high reliability and delivery of patient-centered-care in a cost-effective manner, supporting the Triple AIM. The capstone project is designed to allow the student to experience the complex web of interdependencies and the cause and effect relationships within the system and the impact of leadership behaviors and change management. The capstone experience will be integrated with the curriculum of the second semester offering practical application of knowledge and skills from the courses.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture, Clinical Experience, Capstone

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
6

Contact Hours

Contact Hours Min:
240

Billing Hours

Billing Hours Min:
6

HSMG 60711 - Mastering the Foundations of Medicine and USMLE

Overview

Course Description
“Mastering the Foundations of Medicine and USMLE” is a graduate level course that is designed for dual enrolled medical and graduate students who need to strengthen their basic science and clinical knowledge and skills prior to taking Step I of the USMLE. In this course, students will be engaged with several key educators including Learning Center staff, Basic Science faculty, Clinical faculty, and the Course Director (Graduate Faculty/Dean) to strengthen and enforce foundational basic science, clinical, and integrated knowledge and gain a deeper understanding of applied knowledge to clinical settings and health systems. Students will be utilizing PASS program materials and will be meeting regularly with faculty and staff to develop study skills, test taking approaches, and development of success plans that incorporate academic, personal, and professional goal-setting and benchmarks for achievement. This course aims to take a holistic approach for supporting, advising, mentoring,

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
5

Contact Hours

Contact Hours Min:
75

Billing Hours

Billing Hours Min:
5

HSMG 60794 - Independent Study in Health Systems Leadership

Overview

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Clinical Experience, Laboratory/ Simulation, Combined Lecture/Lab, Lecture, Research, Small Group Discussion

Grade Modes
Letter (A, B, C, F), Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
8

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
8

Billing Hours Operator:
TO

HSMG 60795 - Special Topics

Overview

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Independent Study (Historical No Longer Active), Laboratory/Simulation, Lecture, Combined Lecture/Lab

Grade Modes
Letter (A, B, C, F), Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
3

Billing Hours Operator:
TO

HUM 60307 - Invalid Women

Overview

Course Description
Western biomedicine has historically been dominated by male theorists and practitioners. How, then, has biomedical culture accounted for women's bodies, health, and illness? For other bodies deemed non-nonnative, including queer, trans, and non-binary bodies? Recent reporting on women's health issues and maternal mortality rates in the US, and the many personal narratives recounting inadequate attention to women-as-patients, suggests a deep-seated and ongoing problem with the way our medical system treats women. We will trace the evolution of long-standing narrative tropes and conventions that shape the stories owe tell about women’s bodies and health in literary fiction, popular culture, and medical discourse.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

HUM 60319 - Health Humanities as Craft

Overview

Course Description
This 3-credit course will expose you to the health humanities as an interdisciplinary field of scholarship and practice through different methodological approaches that are used in such disciplines as history, medical anthropology, literary studies, and philosophy. Students will first be guided through the basics of scholarly writing and research, and then will engage with those methodologies widely used in the health humanities, including ethnography, archival research, close reading of diverse texts, literary analysis, and philosophical argumentation. This required, foundational course will prepare students for health humanities and bioethics coursework and scholarship.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

HUM 60320 - Topics in Medical Humanities

Overview

Course Description
Students will apply research methods in the health humanities as we explore major topics in the health humanities. From the history of Western biomedicine to contemporary studies of disability, race, gender, sexuality, and health justice, this course introduces students to the questions, debates, and turns that animate health humanities research.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

HUM 60322 - Health Humanities Immersion

Overview

Course Description
Provides an opportunity for experiential learning and gives students a chance to connect academic learning to the work or missions of various cultural, business, and healthcare organizations. Introduces students to experienced professionals who can offer mentorship and help students' network with professionals in their respective fields. The selection of practicum sites is limited only by students' imagination and logistics. Students consult with NEOMED faculty for assistance in identifying each of the three-practicum sites. At each site, students work with appropriate supervisors to shape a work plan that will provide both an educational experience for the student and a useful project for the organization. Possible sites include, but are not limited to, the following: hospice organizations; museums, or other art institutions; public theaters; VA outreach programs; advocacy agencies for the disadvantaged.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Independent Study (Historical No Longer Active), Practicum

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

IMED 83001 - Internal Medicine Clerkship

Overview

Course Description
The Internal Medicine Clerkship is a ten-week clinical rotation designed to develop clinical competence and professional responsibility as a physician in the specialty of Internal Medicine. The emphasis will be on the internist's method and approach to the care of the patient. Students will learn through direct patient care experience supplemented by small group discussions, conferences, morning reports and teaching rounds. The net effect of the several avenues of learning is to provide a framework designed to help the student acquire the knowledge of selected internal medicine subjects, to appreciate the pathophysiology involved, to use the scientific method of problem solving, to develop proficiency in selected basic skill and to develop a professional attitude of responsibility and empathy toward patients.

Academic Level
Professional

College
College of Medicine

Schedule Type
Clerkship

Grade Modes
Honors/High Pass/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
10

Billing Hours

Billing Hours Min:
10

IMED 84000 - Internal Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

IMED 84001 - Medical Intensive Care

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

IMED 84002 - Nephrology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

IMED 84003 - Palliative Care

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

IMED 84004 - Pulmonary

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

IMED 84005 - Rheumatology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

IMED 84006 - Cardiology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

IMED 84007 - Coronary Intensive Care

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

IMED 84008 - Endocrinology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

IMED 84009 - Gastroenterology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

IMED 84010 - Geriatrics

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

IMED 84011 - Hematology/Oncology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

IMED 84012 - Infectious Disease

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

IMED 84013 - Hospitalist Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

IMED 84014 - Clinical Medical Genetics

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

IMED 84015 - Sleep Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

IMED 84016 - Obesity Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

IMMU 71302 - Immunology and Biotechnology

Overview

Course Description
This course is designed to provide pharmacy students with a fundamental knowledge about the immune system, its role in inflammation, and how it modifies or is modified by disease. The course will initially focus on an overview of innate and adaptive immunity, and the basic principles of cellular and humoral immunology. These foundational immunologic principles will be applied to a variety of pathophysiological conditions and the use of biologics in the intervention and management of immune-based diseases. These disease states include hypersensitivities, chronic inflammation, immunodeficiencies, autoimmune disorders, transplant, infectious diseases, and cancer. Other topics include an introduction to the production and use of monoclonal antibodies, recombinant proteins, and vaccines, as well as an introduction to pharmacogenomics.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Independent Study (Historical No Longer Active)

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

IPEC 71204 - Interprofessional Education I

Overview

Course Description
This course is the first of a six-course sequence that is designed to build on the Interprofessional Education Collaborative (IPEC) competencies where students learn with, from and about other professions so that ultimately, they are prepared to practice with an interprofessional team after they graduate. The first two courses of this sequence will focus on assisting pharmacy students to become 'Profession Ready' with the IPE 1 course emphasis on the competencies of: roles and responsibilities, and interprofessional communication while maintaining a climate of mutual respect and shared values. Students will be exploring the various health care teams and becoming more familiar with the roles of other health care professionals and how pharmacy interacts with them.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab, Lecture

Grade Modes
Pass/Fail

Cohort
P1 Cohort

Syllabus
IPE1 Syllabus 2026 - Update 12 5 2025.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

IPEC 71304 - Interprofessional Education II

Overview

Course Description
This course is the second of a six-course sequence that is designed to build on the Interprofessional Education Collaborative (IPEC) competencies where students learn with, from and about other professions so that ultimately, they are prepared to practice with an interprofessional team after they graduate. The P1 courses of this sequence will focus on assisting pharmacy students to become ‘Profession Ready’, with the IPE 2 course emphasis on: teams and teamwork, interprofessional communication and values and ethics while maintaining a climate of mutual respect and shared values. Students will be exploring more aspects of social determinants of health and how the ‘team’ may extend beyond traditional healthcare professionals to fully support patients.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, IPE

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

IPEC 72204 - Interprofessional Education III

Overview

Course Description
This course is the third of a six-course sequence that is designed to build on the Interprofessional Education Collaborative (IPEC) competencies where students learn with, from and about other professions so that ultimately, they are prepared to practice with an interprofessional team after they graduate. The P1 courses of this sequence will focus on assisting pharmacy students to become ‘Profession Ready’, the P2 year will focus on becoming ‘Team Ready’ with an emphasis on the competencies of: teams and teamwork, roles and responsibilities, and interprofessional communication while maintaining a climate of mutual respect and shared values. Students will be exploring the various health care teams and becoming more familiar with the roles of other health care professionals and how pharmacy interacts with them.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Combined Lecture/Lab

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

IPEC 72304 - Interprofessional Education IV

Overview

Course Description
This course is the fourth of a six-course sequence that is designed to build on the Interprofessional Education Collaborative (IPEC) competencies where students learn with, from and about other professions so that ultimately, they are prepared to practice with an interprofessional team after they graduate. The P1 courses focus on assisting pharmacy students to become 'Profession Ready', the P2 year will focus on becoming 'Team Ready' with an emphasis on the competencies of: teams and teamwork, roles and responsibilities, and interprofessional communication while maintaining a climate of mutual respect and shared values. Students will be exploring the various health care teams and becoming more familiar with the roles of other health care professionals and how pharmacy interacts with them.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, IPE

Grade Modes
Pass/Fail

Cohort
P2 Cohort

Syllabus
2026-27 IPEC 72304 InterprofessionalEducation4 SpringSyllabus_updated062226.docx

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

IPEC 83204 - Interprofessional Education V

Overview

Course Description
This course will build on foundational experience from the IPE sequence for students. The primary goal of this course is to further enhance application skills in interprofessional education and interprofessional practice. Students will have the opportunity to experience interprofessional practice with patients and providers. Based upon IPEC competences, Doctor of Pharmacy Students will work with individuals of other professions to maintain a climate of mutual respect and shared values. Students will use the knowledge of one's own role and those of other professions to appropriately assess and address the health care needs of patients and to promote and advance the health of populations. Students will work towards effectively communicating with patients, families, communities, and professionals in health and other fields in a responsive and responsible manner that supports a team approach to the profession.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Combined Lecture/Lab

Grade Modes
Honors/Pass/Fail, Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
18

Billing Hours

Billing Hours Min:
1.5

IPEC 83304 - Interprofessional Education VI

Overview

Course Description
This course will build upon the students' knowledge of addressing conflict within common team-based environments, provide tools for building and maintaining a team, and provide opportunities to practice working in a team setting through interprofessional simulation. . In addition, students will build upon their application skills from IPE5 with opportunities to experience interprofessional practice with patients and providers. This required course consists of lectures, team projects, application and shadowing activities.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, IPE

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1.5

Billing Hours

Billing Hours Min:
1.5

MEDC 80R00 - Mentored Research and Scholarship

Overview

Course Description
This repeatable elective provides M3/M4 medical students with structured, faculty-supervised opportunities to participate in scholarly activities across basic science research, clinical and translational research, health systems research, and medical education scholarship. Under the guidance of a designated mentor, students develop a focused scholarly question, select appropriate methods, complete required training and regulatory/ethics processes as applicable (e.g., IRB determination/approval), and engage in responsible conduct of research and scholarship. Students are expected to produce a defined scholarly deliverable aligned with the project scope and timeline (e.g., protocol, data set/analysis, abstract, poster/oral presentation, curriculum product with evaluation, or manuscript draft). The elective may be repeated for continued or new scholarly work, with distinct objectives, scope, supervision, and deliverables documented for each enrollment.

Academic Level
Professional

College
College of Medicine

Schedule Type
Research

Grade Modes
Pass/Fail

Cohort
M3 Cohort, M4 Cohort

Credits

Credit Hours

Credit Hours Min:
5

Billing Hours

Billing Hours Min:
5

MEDC 71101 - Foundations of Medicine

Overview

Course Description
This course consists of two foundational topics: biochemistry and biostatistics. The biochemistry/molecular biology sessions introduce the fundamentals of normal molecular and cellular operation relative to the human body. The biostatistics sessions include the topics of hypothesis testing, research methods and ethics, epidemiology, and diagnostic testing. The course emphasizes knowledge that has clinical relevance in preparing students for future courses.

Academic Level
Professional

College
College of Medicine

Schedule Type
Engaged Learning, Lecture, Small Group (Historical No Longer Active)

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4.5

Contact Hours

Contact Hours Min:
66

Billing Hours

Billing Hours Min:
4.5

MEDC 71102 - Practice of Medicine I

Overview

Course Description
Practice of Medicine (POM) 1 begins a four-year longitudinal curriculum that teaches principles and practices for effective patient care. Through a variety of teaching and learning methods, POM 1 fosters student development in the areas of clinical skills, ethics and health humanities, health systems, interprofessional education, evidence-based medicine and self-directed learning, and career and professional development.

Academic Level
Professional

College
College of Medicine

Schedule Type
Small Group Discussion, Engaged Learning, Laboratory/Simulation

Grade Modes
Pass/Fail

Cohort
M1 Cohort

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
24.5

Billing Hours

Billing Hours Min:
1.5

MEDC 71201 - Body and Brain

Overview

Course Description
Body and Brain is a nine-week course that includes multiple disciplines: gross anatomy of the musculoskeletal system, anatomy and physiology of the central and peripheral nervous system, histology of basic tissue types, and some embryology and radiology content in support of these topics. The course emphasizes knowledge that has clinical importance. Peer instruction, team-based learning, and case-based learning are used to highlight clinical correlations.

Academic Level
Professional

College
College of Medicine

Schedule Type
Combined Lecture/Lab, Small Group (Historical No Longer Active), Engaged Learning

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
6.5

Contact Hours

Contact Hours Min:
97

Billing Hours

Billing Hours Min:
6.5

MEDC 71202 - Practice of Medicine II

Overview

Course Description
Practice of Medicine (POM) 2 is a continuation of a four-year longitudinal curriculum that teaches principles and practices for effective patient care. Through a variety of teaching and learning methods, POM 2 fosters student development in the areas clinical skills, ethics and health humanities, health systems, interprofessional education, evidence-based medicine and self-directed learning, and career and professional development.

Academic Level
Professional

College
College of Medicine

Schedule Type
Small Group Discussion, Engaged Learning, Laboratory/Simulation

Grade Modes
Pass/Fail

Cohort
M1 Cohort

Credits

Credit Hours

Credit Hours Min:
2.5

Contact Hours

Contact Hours Min:
37

Billing Hours

Billing Hours Min:
2.5

MEDC 71203 - Cardiovascular, Pulmonary, Renal

Overview

Course Description
This seven-week course provides learners with the core anatomical and physiological concepts along with the underlying cellular processes that define the normal function of the cardiovascular, pulmonary, and renal organ systems of the human body. This module integrates the disciplines of Physiology, Anatomy, and Biochemistry and highlights knowledge that has clinical relevance with a focus on the normal communication, coordination and regulation that is exhibited between the three organ systems described above. Peer instruction and case-based learning will highlight clinical correlations. Gross anatomy lab dissection will also take place in this course.

Academic Level
Professional

College
College of Medicine

Schedule Type
Independent Study (Historical No Longer Active), Combined Lecture/Lab, Small Group (Historical No Longer Active), Engaged Learning

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
5

Contact Hours

Contact Hours Min:
74

Billing Hours

Billing Hours Min:
5

MEDC 71301 - Gastrointestinal, Reproductive and Endocrine Systems

Overview

Course Description
This course provides students with a clinically relevant review of the core anatomical, physiological, and cellular concepts and processes that define the normal function of the gastrointestinal, endocrine, and reproductive organ systems.

Academic Level
Professional

College
College of Medicine

Schedule Type
Engaged Learning, Combined Lecture/ Lab, Small Group (Historical No Longer Active), PI

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4.5

Contact Hours

Contact Hours Min:
67

Billing Hours

Billing Hours Min:
4.5

MEDC 71302 - Practice of Medicine III

Overview

Course Description
Practice of Medicine (POM) 3 is a continuation of a four-year longitudinal curriculum that teaches principles and practices for effective patient care. Through a variety of teaching and learning methods, POM 3 fosters student development in the areas clinical skills, ethics and health humanities, health systems, interprofessional education, evidence-based medicine and self-directed learning, and career and professional development.

Academic Level
Professional

College
College of Medicine

Schedule Type
Small Group Discussion, Clinical Experience, Engaged Learning, Laboratory/Simulation

Grade Modes
Pass/Fail

Cohort
M1 Cohort

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
49.25

Billing Hours

Billing Hours Min:
3

MEDC 71303 - Infectious Disease and Immunity

Overview

Course Description
This course integrates microbiology, immunology, and infectious disease of human organism in health and disease.This course emphasizes basic concepts of microbes, and the immune system. There is a focus on clinical infectious diseases in host organ systems including, antibiotics, microbial resistance, and immune system drugs modulators.

Academic Level
Professional

College
College of Medicine

Schedule Type
PI, Combined Lecture/Lab, Engaged Learning, Small Group (Historical No Longer Active)

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
5

Contact Hours

Contact Hours Min:
74

Billing Hours

Billing Hours Min:
5

MEDC 71304 - Foundations of Disease and Treatment

Overview

Course Description
FDT is an introductory course to pathological manifestations of disease processes that incorporates the core concepts of pathology, pharmacology, and genetics while delving into the disease processes and recognizing disease entities and the basic steps of evaluation in benign and malignant hematology.

Academic Level
Professional

College
College of Medicine

Schedule Type
PI, Small Group (Historical No Longer Active), Engaged Learning, Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
43

Billing Hours

Billing Hours Min:
3

MEDC 71402 - M1 Capstone

Overview

Course Description
The M1 Capstone Course is a three-week, immersive, integrated learning experience designed to synthesize and apply knowledge and skills acquired throughout the first year of medical school. This culminating course bridges foundational science with clinical practice and professional identity formation, preparing students for the transition into the second year and early clinical learning..

Academic Level
Professional

College
College of Medicine

Schedule Type
Capstone, Laboratory/Simulation, Small Group Discussion, Engaged Learning

Grade Modes
Pass/Fail

Cohort
M1 Cohort

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
24

Billing Hours

Billing Hours Min:
1.5

MEDC 72101 - Diagnosis and Treatment I

Overview

Course Description
This course allows students to integrate knowledge from prior courses to understand the diseases and treatments in cardiology. Students build a working knowledge of pathology, pharmacology and the pathophysiological basis of diseases and treatments in medicine.

Academic Level
Professional

College
College of Medicine

Schedule Type
Engaged Learning, Laboratory/ Simulation

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
42

Billing Hours

Billing Hours Min:
3

MEDC 72102 - Practice of Medicine IV

Overview

Course Description
Practice of Medicine IV (POM IV), a College of Medicine course, continues a four-year longitudinal curriculum that assists medical students to construct a complex web of personal and professional attitudes, values, knowledge, and skill sets essential to the art and science of clinical medicine.

Academic Level
Professional

College
College of Medicine

Schedule Type
Small Group Discussion, Combined Lecture/Lab, Laboratory/Simulation

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
21

Billing Hours

Billing Hours Min:
1.5

MEDC 72201 - Diagnosis and Treatment II

Overview

Course Description
This course allows students to integrate knowledge from prior courses to understand the diseases and treatments in pulmonology, allergy, nephrology, gastroenterology, rheumatology, endocrinology and reproduction. Students build a working knowledge of pathology, pharmacology and the pathophysiological basis of diseases and treatments in medicine.

Academic Level
Professional

College
College of Medicine

Schedule Type
Engaged Learning, Laboratory/Simulation

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
12

Contact Hours

Contact Hours Min:
177

Billing Hours

Billing Hours Min:
12

MEDC 72202 - Practice of Medicine V

Overview

Course Description
These courses are a continuation of a four-year longitudinal curriculum that enables students to construct personal and professional attitudes, values, knowledge, and skill sets essential to the art and science of medicine. Students build clinical skills, physician identity development, reflective practice, ethics and humanities, policy and health law, healthcare economics, interprofessional team-based care, psychosocial medicine, and wellness. Students learn in various clinical settings, engaging in healthcare delivery with real and standardized patients.

Academic Level
Professional

College
College of Medicine

Schedule Type
Small Group Discussion, Combined Lecture/Lab

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3.5

Contact Hours

Contact Hours Min:
51.5

Billing Hours

Billing Hours Min:
3.5

MEDC 72301 - Diagnosis and Treatment III

Overview

Course Description
This course allows students to integrate knowledge from prior courses to understand the diseases and treatments of neurology, psychiatry, , dermatology, and infectious disease. Students build a working knowledge of pathology, pharmacology and the pathophysiological basis of diseases and treatments in medicine necessary for licensure and clinical practice.

Academic Level
Professional

College
College of Medicine

Schedule Type
Engaged Learning, Laboratory/ Simulation

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
7.5

Contact Hours

Contact Hours Min:
112

Billing Hours

Billing Hours Min:
7.5

MEDC 72302 - Practice of Medicine VI

Overview

Course Description
These courses are a continuation of a four-year longitudinal curriculum that enables students to construct personal and professional attitudes, values, knowledge, and skill sets essential to the art and science of medicine. Students build clinical skills, physician identity development, reflective practice, ethics and humanities, policy and health law, healthcare economics, interprofessional team-based care, psychosocial medicine, and wellness. Students learn in various clinical settings, engaging in healthcare delivery with real and standardized patients.

Academic Level
Professional

College
College of Medicine

Schedule Type
Small Group Discussion, Combined Lecture/Lab, Laboratory/Simulation

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2.5

Contact Hours

Contact Hours Min:
37.5

Billing Hours

Billing Hours Min:
2.5

MEDC 72303 - Applied and Integrated Medical Science

Overview

Course Description
This course is designed to continue to practice the integration of foundational science concepts in an applied manner. Content will focus on systems covered in the pre-clerkship courses, with emphasis on integration and application. Course sessions will include question practice and small group discussion along with independent study assignments.

Academic Level
Professional

College
College of Medicine

Schedule Type
Engaged Learning

Grade Modes
Pass/Fail

Cohort
M2 Cohort

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
24

Billing Hours

Billing Hours Min:
1.5

MEDC 83007 - Practice of Medicine VII

Overview

Course Description
This course is part of the M3 POM course series that integrates opportunities to investigate content pertinent to all medical specialties and complements students' clerkships by promoting ongoing personal and professional development and cultivating a supportive space in which to process the transition to clinical training. In POM VII and VIII (M3 POM Longitudinal), interprofessional teamwork is examined through a collaborative workshop. The health systems curriculum, which focuses on physician well-being, healthcare economics, and patient safety, is delivered via three workshops. The Clinical Skills Assessment with simulated patients allows for identification of strengths and opportunities for improvement. A series of Career Development sessions supply information to plan for M4 and the residency application process. Reflective Practice sessions teach students not only how to critically read stories, but to look within themselves and others to understand multiple perspectives and issues.

Academic Level
Professional

College
College of Medicine

Schedule Type
Combined Lecture/Lab, Small Group Discussion, Engaged Learning

Grade Modes
Pass/Fail

Cohort
M3 Cohort

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

MEDC 83008 - Practice of Medicine VIII

Overview

Course Description
This course is part of the M3 POM course series that integrates opportunities to investigate content pertinent to all medical specialties and complements students' clerkships by promoting ongoing personal and professional development and cultivating a supportive space in which to process the transition to clinical training. In POM VII and VIII (M3 POM Longitudinal), interprofessional teamwork is examined through a collaborative workshop. The health systems curriculum, which focuses on physician well-being, healthcare economics, and patient safety, is delivered via three workshops. The Clinical Skills Assessment with simulated patients allows for identification of strengths and opportunities for improvement. A series of Career Development sessions supply information to plan for M4 and the residency application process. Reflective Practice sessions teach students not only how to critically read stories, but to look within themselves and others to understand multiple perspectives and issues.

Academic Level
Professional

College
College of Medicine

Schedule Type
Small Group Discussion, Engaged Learning, Laboratory/Simulation, Combined Lecture/Lab

Grade Modes
Pass/Fail

Cohort
M3 Cohort

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

MEDC 83009 - Practice of Medicine IX

Overview

Course Description
This course is part of the M3 POM course series that integrates opportunities to investigate content pertinent to all medical specialties and complements students' clerkships by promoting ongoing personal and professional development and cultivating a supportive space in which to process the transition to clinical training. During POM IX (The M3 POM Block), students participate in a simulated ECHO conference series to understand how technology can be used to create learning communities that share interprofessional expertise to reduce disparities and improve care. Additionally, an online module explores principles of interprofessional collaboration.

Academic Level
Professional

College
College of Medicine

Schedule Type
Engaged Learning, Small Group Discussion

Grade Modes
Pass/Fail

Cohort
M3 Cohort

Credits

Credit Hours

Credit Hours Min:
0.5

Contact Hours

Contact Hours Min:
7

Billing Hours

Billing Hours Min:
0.5

MEDC 84000 - Leadership Elective

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

MEDC 84011 - Transformational Leadership in Healthcare I

Overview

Course Description
This longitudinal fourth-year course equips medical students with the leadership mindset and interpersonal skills essential for success in today's evolving healthcare environment. Grounded in the principles of transformational leadership, the curriculum emphasizes self-awareness, emotional intelligence, and high-impact communication, all core competencies that enhance clinical practice, team relationships, and professional advancement. (Students in accelerated programs will take this course during their third year.)

Academic Level
Professional

College
College of Medicine

Schedule Type
Engaged Learning

Grade Modes
Pass/Fail

Cohort
M4 Cohort

Credits

Credit Hours

Credit Hours Min:
0.5

Contact Hours

Contact Hours Min:
7

Billing Hours

Billing Hours Min:
0.5

MEDC 84012 - Transformational Leadership in Healthcare II

Overview

Course Description
This longitudinal fourth-year course equips medical students with the leadership mindset and interpersonal skills essential for success in today's evolving healthcare environment. Grounded in the principles of transformational leadership, the curriculum emphasizes self-awareness, emotional intelligence, and high-impact communication, all core competencies that enhance clinical practice, team relationships, and professional advancement. (Students in accelerated programs will take this course during their third year.)

Academic Level
Professional

College
College of Medicine

Schedule Type
Engaged Learning

Grade Modes
Pass/Fail

Cohort
M4 Cohort

Credits

Credit Hours

Credit Hours Min:
0.5

Contact Hours

Contact Hours Min:
7

Billing Hours

Billing Hours Min:
0.5

MEDC 84013 - Transformational Leadership in Healthcare III

Overview

Course Description
This longitudinal fourth-year course equips medical students with the leadership mindset and interpersonal skills essential for success in today's evolving healthcare environment. Grounded in the principles of transformational leadership, the curriculum emphasizes self-awareness, emotional intelligence, and high-impact communication, all core competencies that enhance clinical practice, team relationships, and professional advancement. (Students in accelerated programs will take this course during their third year.)

Academic Level
Professional

College
College of Medicine

Schedule Type
Engaged Learning

Grade Modes
Pass/Fail

Cohort
M4 Cohort

Credits

Credit Hours

Credit Hours Min:
0.5

Contact Hours

Contact Hours Min:
7

Billing Hours

Billing Hours Min:
0.5

MEDC 84014 - Integrated Clinical Reasoning

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

MELE 83020 - Medicine Elective

Overview

Course Description
Students may have an elective period scheduled during their M3 year. The timing of the elective varies with each student schedule. Students will have the opportunity to schedule clinical electives when available at our affiliate institutions. Clinical electives must be scheduled through our NEOMED Coordinator team. Students can also choose from NEOMED global health opportunities, research, virtual electives or the M3 Step 2 Prep course if it is offered during their elective period.

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

MHP 61001 - Anatomy, Physiology, and Pathology – General Systems

Overview

Course Description
This course will help students understand the basic anatomy and functioning of major human organ systems and identify functional abnormalities that might impact emotional or mental wellness. The course will cover the physiologic and anatomic changes that accompany common psychiatric conditions and substance use disorders and will help the learner identify common medical conditions that occur in psychiatric patients which may complicate treatment.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
60

Billing Hours

Billing Hours Min:
4

MHP 61002 - Behavioral and Motivational Interviewing

Overview

Course Description
This course teaches communication strategies and skills that will facilitate interviewing and interacting with patients. Students will be taught the various components of a psychiatric/behavioral health history. They will be taught to consider a patient's readiness for change and to provide motivational interviewing techniques to help encourage positive change. They will be taught and will practice basic approaches and interventions of supportive therapy.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
60

Billing Hours

Billing Hours Min:
4

MHP 61004 - Patient Care I

Overview

Course Description
This course familiarizes students with components of clinical care. They will be taught and practice conducting a comprehensive mental status examination, including a suicide and violence risk assessment. They will be taught and practice how to verbally present a clinical encounter and how to collaborate as part of an interdisciplinary medical team.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

MHP 61005 - Anatomy, Physiology, and Pathology – Neurobiology

Overview

Course Description
This course focuses on the clinical neuroscience that is applicable to the clinical care of patients with mental illness or substance use disorders. Students will be able to describe the basic components and functions of the nervous system and discuss indications for common neuroimaging, neurophysiological, or neuropsychological testing. Students will be able to identify the basic features of common neurological disorders and be able to discuss the interplay between psychiatric and neurologic conditions. They will be taught and will practice how they can discuss the neurobiological processes underlying common psychiatric illnesses with patients.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

MHP 61008 - Psychopharmacology I

Overview

Course Description
Students will learn about basic pharmacology principles, and the functioning of a variety of frequently modulated neurotransmitters. Students will be taught to safely and effectively prescribe psychiatric medications. They will be able to link the neurochemical effect of the medications to their clinical manifestations and side effects. Students will be taught dosing strategies to optimize clinical efficacy and minimize adverse effects. They will be taught the value of measurement-based care and of monitoring adherence. Students will learn to work collaboratively with patients to select the optimal choice of psychiatric medication consider, considering factors such as proven efficacy, cost, and risks of side effects. This block will focus on antidepressant, antimanic, and antianxiety medications.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

MHP 61015 - Patient Care Interactive Workshop

Overview

Course Description
These interactive workshops provide students with opportunities to practice clinical skills and receive formative feedback from peers and faculty. Students develop competencies in building therapeutic alliances, obtaining behavioral health histories, and conducting mental status examinations. Emphasis is placed on formulating differential diagnoses, developing and refining management plans, and communicating clinical findings effectively. Students apply treatment algorithms, clinical practice guidelines, and relevant literature to support decision-making, including medication management for mental health and substance use disorders. Ongoing case-based practice supports the ability to adjust treatment plans based on patient response and to document clinical encounters appropriately.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Engaged Learning

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
60

Billing Hours

Billing Hours Min:
4

Number Of Repeats:
2

NEUR 84000 - Neurology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

OBGY 83003 - Obstetrics and Gynecology Clerkship

Overview

Course Description

The Obstetrics and Gynecology Clerkship is a five-week clinical rotation. Women's health is pertinent to half of humans and as such is viewed as core curriculum for all aspiring physicians. As a student on this rotation, patients will allow you the privilege of sharing in some of the most intimate aspects of their lives – the birth of a child, the vulnerability of undergoing surgery and pelvic examinations, to name a few. Learning strategies include direct patient encounters in the inpatient and ambulatory settings, teaching rounds, small group discussions, lectures, and case-studies. Students will be exposed to extensive and unique experiences, gaining new insight into the exciting and challenging specialty of Obstetrics and Gynecology.

Academic Level
Professional

College
College of Medicine

Schedule Type
Clerkship

Grade Modes
Honors/High Pass/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
5

Billing Hours

Billing Hours Min:
5

OBGY 84000 - Obstetrics & Gynecology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

OBGY 84001 - Maternal Fetal Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

OBGY 84002 - Gynecologic Oncology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

OBGY 84003 - Reproductive Endocrinology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

OBGY 84004 - Urogynecology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

OPTH 84000 - Ophthalmology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

OTOL 84000 - Otolaryngology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PADM 72303 - Practice Management I

Overview

Course Description
Pharmacy Practice Management I is the first of a two-course sequence that emphasizes the skills required of pharmacists related to community and health-system pharmacy practice management. The course will include major topics such as leadership, personnel management (e.g. recruiting and hiring candidates, employment related law, managing teams, managing employee problems, handling disruptive employees, change management, motivating others, employee burnout, developing others to enhance performance, conducting performance appraisals), and medication use systems (medication safety, quality improvement) Students will have the opportunity to develop skills and enhance learning through in-class case related discussions, self-assessments and reflections.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
34

Billing Hours

Billing Hours Min:
2

PADM 83203 - Practice Management II

Overview

Course Description
The Pharmacy Practice Management II is the second of a two course sequence that emphasizes the skills required of pharmacists related to community and health-system pharmacy practice. The course will include major topics, such as development of patient-care related services, practice financial management, inventory management, formulary systems, pharmacoeconomics, and informatics. Students will have the opportunity to work in teams to develop a business plan to establish a sustainable patient care service.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab, Lecture

Grade Modes
Honors/Pass/Fail

Cohort
P3 Cohort

Syllabus
PM2_F26_Syllabus_010826.docx

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

PADM 83302 - Pharmacy Law and Ethics

Overview

Course Description
This course provides students with information pertaining to significant Federal Laws, Ohio Laws and Rules, and principles of ethical pharmacy practice. Through a mixture of self-directed learning modules and live lecture, students will develop the knowledge required for successful completion of their multistate pharmacy jurisprudence examination (MPJE). Active learning activities pertaining to pharmacy ethics will imbue students with the self-awareness necessary for ethical pharmacy practice and patient care following graduation.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

PATH 84000 - Pathology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PATH 84001 - Forensic Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PATH 84002 - Lab Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PCEU 72203 - Pharmaceutics

Overview

Course Description
This course focuses on fundamental principles of pharmaceutical product development (dosage forms and delivery systems), biopharmaceutics, and medication compounding and dispensing. Students will also become proficient in basic concepts related to physical pharmacy and pharmaceutical calculations. Course content is delivered through the integration of didactic and laboratory modules in order to foster critical thinking and develop skills needed to solve real-life pharmaceutical compounding and dispensing challenges. By the end of the course, students will master the skills needed to participate in pharmaceutical product development and related patient care activities.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Cohort
P2 Cohort

Syllabus
Fall-2026_Syllabus_Pharmaceutics.docx

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
47

Billing Hours

Billing Hours Min:
3

PCEU 72233 - Pharmaceutics Lab

Overview

Course Description
Students will learn the art of pharmaceutical compounding in a laboratory setting coupled with dosage form preparation, prescription dispensing, and participation in basic patient counseling encounters. Laboratory sessions will provide opportunities to reinforce the knowledge gained in the Basic Pharmaceutics course. The overall aim of the laboratory course is to foster the critical thinking abilities needed to solve real-life pharmaceutical compounding and prescription dispensing challenges.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Laboratory/Simulation

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2.5

Contact Hours

Contact Hours Min:
38

Billing Hours

Billing Hours Min:
2.5

PEBM 71202 - Evidence Based Medicine

Overview

Course Description
Evidence Based Medicine (EBM) introduces clinical study designs, data analysis and the opportunity to apply knowledge of electronic databases, research design and literature evaluation to make effective journal club presentations. Students will gain insight into the appropriate use of evidence and resource materials in clinical practice. In addition, students will learn the importance of primary, tertiary, and internet resources, as well as how to critically evaluate research-based evidence. At the end of the course, students will be able to gain competence in specifications of a research question, selection of study design, formulation and literature support of a hypothesis, descriptive and inferential statistics, clinical trials and reporting data and information. The students will be able to actively evaluate clinical literature and understand the importance of critical analysis of the biomedical literature.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
33

Billing Hours

Billing Hours Min:
2

PEDS 83004 - Pediatrics Clerkship

Overview

Course Description
The Pediatrics Clerkship is a five-week clinical rotation. This core curriculum is designed to develop clinical competence, professional responsibility as a physician and introduce the student to collaborative patient care in the specialty of Pediatrics. Children are not just small adults. Students will learn through direct patient care experience. Learning will be supplemented by Family Centered Teaching Rounds, small group discussions, lectures, and case-studies. The emphasis will be on the pediatrician's approach to care of the infant, toddler, and adolescent patient.

Academic Level
Professional

College
College of Medicine

Schedule Type
Clerkship

Grade Modes
Honors/High Pass/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
5

Billing Hours

Billing Hours Min:
5

PEDS 84000 - Pediatrics

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84001 - Pediatric Sports Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84002 - Pediatric Rheumatology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84003 - Pediatric Pulmonary

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84004 - Peds Physical Med & Rehab

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84005 - Pediatric Pathology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84006 - Pediatric Palliative Care

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84007 - Pediatric Neurology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84008 - Pediatric Nephrology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84009 - Pediatric Intensive Care Unit

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84010 - Pediatric Inpatient Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84011 - Pediatric Infectious Disease

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84012 - Pediatric Hematology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84013 - Pediatric Gastroenterology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84014 - Pediatric Endocrinology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84015 - Pediatric Emergency Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84016 - Pediatric Clinical Genetics

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84017 - Pediatric Cardiology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84018 - Pediatric Anesthesia

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84019 - Pediatric Ambulatory

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84020 - Neonatal Intensive Care

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84021 - Pediatric Psychiatry

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84022 - Pediatric Radiology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PEDS 84023 - Pediatric Urology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

PEDS 84024 - Pediatric Dermatology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

PEDS 84025 - Pediatric Clinical Informatics

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

PEDS 84026 - Pediatric Otolaryngology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

PELE 70001 - Independent Research in Pharmacy I

Overview

Course Description
This elective course is designed to allow students to become familiar with techniques used in pharmaceutical sciences and practice-based research. This course will consist of didactic lectures, discussion sessions, independent literature-based research, and student presentations. Students will learn about the scientific process, major lab techniques, basics of data analysis and figure making, and institutional research oversight processes, among other topics. Students will also perform online CITI-based training. 1 Credit hour course: 40 to 45 hours will be broken into course introduction, contact time with the faculty project advisor, independent work, and final presentations at the end of the course. This course may be taken multiple times for the same or new projects. This is a P3 course offering. Some sites may require a background check at the student's expense.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Research

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70002 - Evidence Based Decision-Making Patient Care

Overview

Course Description
This elective is designed for P1, P2, and P3 students looking to strengthen their evidence-based medicine (EBM) skills in preparation for clinical rotations and residency. Through low-stakes, guided journal clubs led by the instructor, students will gain practical experience applying EBM principles to real-world clinical questions. Emphasis is placed on evaluating primary literature, forming evidence-based recommendations, and effectively communicating those recommendations to healthcare providers and patients. The course offers a supportive environment for students who want more structure and guided practice in this challenging area.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70003 - Advanced Pharmaceutical Compounding

Overview

Course Description
The Advanced Pharmaceutical Compounding elective course is a faculty-mentored course that will provide an understanding of select advanced principles of compounding. The course is designed to actively engage students in knowledge acquisition and problem solving. Broad objectives of the course include: (i) encouraging learning by actively engaging students within a relatively small, select class group who share a common interest in pursuing compounding as a professional career option, (ii) fostering critical thinking abilities to solve real-life pharmacy compounding accreditation and unique and/or advanced pharmaceutical compounding problems, and (iii) increasing student-instructor and student-student interactions in a compounding laboratory, rather than a classroom setting. The overall goal of this course is to assist students to acquire a problem-solving learning style that fosters life-long learning, particularly aimed at individuals who elect to pursue the challenging career option of pharmaceutical compounding. The course will be divided into two general areas of study: (1) setting up a compounding center in a community pharmacy or small industrial environment (accreditation, regulations, quality assurance, equipment and (2) hands-on advanced compounding, in the Pharmacy Practice Laboratory, of diverse dosage forms.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70004 - Personal Finance for the Student Pharmacist (Basic)

Overview

Course Description
This elective will utilize active-learning and case scenarios to introduce basic principles and skills of personal financial management relevant to student pharmacists. Topics covered will include behavioral and emotional aspects of financial decision making, goal setting and budgeting. In addition, students will learn basics of car and home buying, savings, debt repayment and foundations of investing. This is a P2 and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70005 - Interprofessional Management of the Older Patient

Overview

Course Description
This course is designed to expose students to care for older patients as an interprofessional team member. Classes will focus on recognizing and treating geriatric syndromes and recognizing the medications that may contribute to these syndromes. Guest speakers from different disciplines will provide additional information about these syndromes and their discipline's role in caring for older patients. Assessment tools, treatment methods, resources for older patients, and medications contributing to geriatric syndromes are emphasized in this course. Weekly reading assignments will be made. This is a P2 and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Small Group (Historical No Longer Active)

Grade Modes
Pass/Fail

Cohort
P3 Cohort

Syllabus
2026-2027_PELE_70005_InterprofessionalManagementoftheOlderPatient_Fall_Syllabus.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

PELE 70006 - Interprofessional Management of Palliative Care Patients

Overview

Course Description
This is an elective course for third year pharmacy students to introduce the management of palliative care patients by an interprofessional team. The students will learn the role and responsibilities of the team members. In addition, management of common symptoms including pain seen in the palliative care patient will be discussed with a focus on how the pharmacist interacts with the interprofessional team to assist in the overall care of the patient. Class sessions will involve interactive lecture presentations and case-based discussions. This is a P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70007 - Chemical Dependency in Pharmacy

Overview

Course Description
This offering is a lecture-based course that will provide discussion, debate, and exploration on the topics of chemical dependency and the profession of pharmacy. Students will be provided information related to, but not limited to, the concepts of addiction, individuals at risk, intervention, withdrawal, emotions, recovery networks, State Board of Pharmacy actions and returning to practice. By the conclusion of this course, students will have obtained a deeper and broader understanding of this critical topic that they may face in future years. This is a P1, P2 and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70008 - Institute for Healthcare Improvement

Overview

Course Description
This elective pharmacy course will require students to complete the online curriculum developed by the IHI Open School. Students will complete at least 13 online courses on the topics of Leadership, Patient Safety, Improvement Capability, Person- and Family-Centered Care, and Triple Aim for Populations by the established deadlines. Students will independently complete these modules and will be required to achieve a passing score in each. Students will receive a certificate of completion from IHI. Activities will be self-directed; however, the class will meet for an orientation at the beginning of the course. The IHI Open School for Health Professions is an interprofessional educational community that gives students the skills to become change agents in health care improvement. These skills include quality improvement, patient safety, teamwork, leadership, and patient-centered care. Employers are looking for these skills, and patients expect providers to have them. This is a P1, P2 and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70009 - Advanced Pediatric Pharmacotherapy

Overview

Course Description
This advanced elective course consists of lectures and in class discussion designed to build upon and enhance learning covered in the required Pharmacotherapeutic course. The goal of the course is to give students an expanded understanding of the most common disease states in pediatric patients such that they can apply these skills to future clinical rotations and the care of pediatric patients in their future career. This is a P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70010 - Post-Graduate Education Training Preparation

Overview

Course Description
This elective is designed to develop, practice, and refine skills that will be necessary to pursue post-graduate education training. The areas of focus will be candidate self-reflection and job crafting, post-graduate education training overview, candidate search process, application preparation, interview skills training, and professionalism. This is a P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Laboratory/Simulation

Grade Modes
Pass/Fail

Cohort
P3 Cohort

Syllabus
Fall2026Spring2027_PELE_70010_Post-GraduateEducationTrainingPreparation_Cober_updated20260111.docx

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

PELE 70011 - Veterinary Pharmacy

Overview

Course Description
The veterinary pharmacy elective is an introductory course that will provide students with the foundational knowledge and skills needed to offer appropriate pharmaceutical care for animal patients, with a concentrated focus on companion animals (dogs and cats). This course will cover a variety of topics pertinent to the practice of veterinary pharmacy, including pharmacologic principles of veterinary pharmacy, pharmaceutical care of canines and felines, pharmaceutical care of zoo animals, and legal and ethical considerations of veterinary pharmacy. This course will include a compounding component, in which students will be responsible for appropriately compounding and packaging nonsterile products. Students will also be responsible for correctly interpreting prescriptions and accurately completing calculations necessary to compound prescription products. The compounding component will build upon skills learned in the Basic Pharmaceutics Lab course. Lectures, compounding activities, and patient cases will assist the students in developing a foundational understanding of the aforementioned topics.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70012 - Advanced Ambulatory Care

Overview

Course Description
Ambulatory care is a growing area of pharmacy practice. But what is ambulatory care pharmacy? And how can I build an ambulatory care practice? In this P3 elective course, students develop a pharmacist-driven ambulatory care service within an institutional setting such as an outpatient clinic or a non-institutional setting such as a community pharmacy practice. Students will work in teams to develop materials necessary to implement an ambulatory care pharmacy service. Students will participate in field observation of an ambulatory care pharmacist and use that experience to inform their work with peers. This is a P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Cohort
P3 Cohort

Syllabus
Advanced Amb Care Elective Fall 2026.docx

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70013 - Advocacy & Legislation

Overview

Course Description
This course is designed to provide a forum for students to explore current legislative issues influencing the profession of pharmacy. Students will be engaged in a variety of activities to introduce them to different aspects of advocacy including retrieving legislative information, interpreting legislation and its potential impact including pros and cons, practicing testimony in support or opposition to legislation, and educating their peers on legislative issues. By the end of the course students will have created their own templates and resources for retrieving and communicating about legislative issues on a local, state, or national level. This is a P1, P2 and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Seminar

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70015 - Independent Study in Teaching and Learning

Overview

Course Description
This independent study is designed to help students to begin to develop knowledge and skills needed for teaching in the classroom and clinical settings. They will be introduced to teaching theories, styles, and methods in the context of their own teaching philosophy. Students also will be expected to create a teaching portfolio during this course. Each student will be expected to attend four group class sessions (2 hours each) and will be required to document 8-10 hours of independent study time. Additionally, students will individually meet with the course director for 1 hour at the beginning of the course and 1 hour at the end of the course to review completed project(s). The students also will be required to demonstrate their knowledge of program assessment by working as a group to evaluate the elective and generate a written proposal for the independent study. This is a P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Independent Study (Historical No Longer Active), Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70016 - Emergency Medicine & Critical Care

Overview

Course Description
The Emergency Medicine/Critical Care Elective course is designed to provide in depth, advanced instruction concerning the pharmacotherapeutic management of patients with emergent medical conditions, and commonly encountered critical care diseases. Emphasis is placed on the efficacy, safety, and comparative value of drug therapy in this specialized patient population. Knowledge of physiology, pharmacology, toxicology, and therapeutic management is applied to disease states and conditions specific to critically ill patients. Didactic instruction is combined with clinical scenarios and interactive discussions concerning emergency medicine and critical care pharmacy-related issues. This is a P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70019 - Advanced Pharmacist Patient Care Process

Overview

Course Description
The purpose of this elective is to help student refine their patient work-up, clinical reasoning, and critical thinking. Case-based teaching will be used to hone these skills and give students the opportunity to improve their pharmacist patient care process skillset (Collect, Assess, Plan, Implement, and Follow-up).

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70020 - Global Health

Overview

Course Description
This global health elective course is designed to introduce students to pressing disease and health care problems worldwide and examine past and current efforts to address them. The course will explore the environmental, social, political, and economic factors that shape patterns and experiences of illness and healthcare across societies. Individual focus will be given to the areas of malnutrition, maternal and infant mortality, mental health, and travel medicine. Students will participate in presentations aimed at addressing the major health challenges of a given country, region, or ethnic group and initiatives that can be utilized to develop culturally appropriate and ethically sustainable solutions.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Small Group Discussion

Grade Modes
Pass/Fail

Cohort
P2 Cohort, P3 Cohort

Syllabus
May2027_PELE_70020_GlobalHealth_Cober_updated20260111.docx

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70021 - Community Pharmacy Preparation

Overview

Course Description
This elective introduces student pharmacists to the evolving landscape of contemporary community-based pharmacy practice. Students will explore the expanding role of the community-based pharmacist practitioner, including responsibilities in patient advocacy, practice transformation, and delivery of high-quality, accessible care. The course emphasizes the impact of interprofessional collaboration on patient outcomes and examines key regulatory, quality, and financial factors that influence service development and sustainability in community settings. Through applied coursework, students will design an innovative patient care project addressing a population health need, preparing them to contribute effectively to current and future models of community-based care.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Cohort
P2 Cohort, P3 Cohort

Syllabus
Community Pharmacy Preparation 2026-2027.docx

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
32

Billing Hours

Billing Hours Min:
2

PELE 70022 - Independent Research in Pharmacy 2

Overview

Course Description
This elective course is designed to allow students to pursue research interests and become familiar with techniques used in practice, lab, or education-based research. Under the mentorship of a College of Pharmacy faculty advisor, the student will complete a project that is an integral part of the faculty member's research. This will involve performing a literature search, forming a research hypothesis, writing a research proposal, collecting & analyzing data, and presenting findings thus far through the preparation of a formal research report. The student will present their work to department faculty and interested others (via presentation or poster), and - ideally - ultimately present their work as part of a poster or published peer-reviewed paper at a state or national conference Students admitted into this elective should possess initiative and interest, have adequate course background, and show evidence of strong conceptual knowledge in the area of research selected. Depending on the project, the student may require completing further online CITI-based training, Comparative Medicine Unit training, and/or a background check. 2 Credit hour course: 80 to 90 hours will be broken into course introduction, contact time with faculty project advisor, independent work, and final presentations at the end of the course. This course may be taken multiple times for the same or new projects. This is a P3 course offering Some sites may require a background check at the student’s expense.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Research

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
32

Billing Hours

Billing Hours Min:
2

PELE 70023 - Advanced Diabetes Management Through Technology

Overview

Course Description
Diabetes technology is the term used to describe the software, hardware, and devices that patients with diabetes mellitus use to manage this condition. This elective will focus on the use of this technology, such as insulin pumps, continuous glucose monitoring devices, and other smart devices. Much of this technology is becoming widely available through the pharmacy market and pharmacists are tasked with training, educating, and managing these devices. This course will build on topics discussed in the Endocrine Pharmacotherapy course. Students will gain hands-on experience with the setup, training, and analyzation of the technology used in the management of diabetes. This is a P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
16

Billing Hours

Billing Hours Min:
1

PELE 70024 - Medical Cannabis Pharmacology

Overview

Course Description
This course is designed to provide pharmacy students and graduate students in biomedical research with the most recent evidence-based information on the pharmacological mechanisms and clinical use of medical cannabis. The goal of the course is to empower students with knowledge and an ability to critically evaluate the use of cannabis in treating specific diseases. Pharmacy students that achieve this goal should have the confidence to educate patients on medical cannabis, advise patients on potential drug interactions, and consult with healthcare teams to develop personalized cannabis pharmacotherapy regimens for patients. Graduate students that achieve the course goal should be able to understand the mechanistic and pharmacological aspects of cannabis to evaluate, design, and/or conduct biomedical research on cannabis to study its effects on human pathophysiology and/or develop new treatment applications. This is a P2 and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

PELE 70025 - Medical Spanish: Spanish for the Pharmacy Professional

Overview

Course Description
This course will provide tools for pharmacists to communicate basic medication information to Spanish speakers while confirming patient understanding. Students will learn to communicate basic and more complex information to their patients while learning to appreciate some of the subtleties of the Spanish language and of Hispanic culture. This is a P1, P2 and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

PELE 70026 - Exploring Ambulatory Care

Overview

Course Description
Ambulatory care is a growing area of pharmacy practice; however, often students are not exposed to the practice of ambulatory care until their APPE rotations. So, what is ambulatory care pharmacy? Are there specializations within ambulatory care? In this elective course, P1, P2, and P3 students will learn about the practice of an ambulatory care pharmacist, understand the diversity of practice settings, patients and disease states, and participate in several panel discussions with ambulatory care pharmacists and residents. The course is designed to allow students to be exposed to and understand what ambulatory care is and the vast array of opportunities within this field of pharmacy. Finally, for those students in the elective who determine that ambulatory care may be their ideal career path, they will leave the course with an understanding of the step required to meet those career goals and a network of ambulatory care pharmacists and residents to connect with. This is a P1, P2 and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

PELE 70027 - Introduction to Research Methods

Overview

Course Description
This course is designed to develop knowledge and skill in health-related research methods. Course content will primarily be discussion of design, strengths, weaknesses, and application of various types of research trials. Additional content will include ethical considerations in research and dissemination of results. Learning strategies will include online lectures, required readings and discussion forums of key concepts and assignments. This is a P1, P2 and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

PELE 70029 - Systems Biologic - Omics

Overview

Course Description
System Biology is a one semester faculty-mentored, integrated course that introduces high-throughput technologies-based research in the fields of proteomics and metabolomics. The objectives of this course are to actively engage students in group discussions and training on applications of “omics” technologies to personalized medicine and drug discovery. The course heavily relies on out-of-class readings and learning through hands-on training on data acquisition, analysis, and outcome evaluation. In this inter-disciplinary course, we will focus on mass spectrometry-based proteomics and metabolomics. In addition, this course will introduce the fundamentals of sample preparation and data analysis. This course will be concluded with the introduction of multi -“omics” study design and data analysis. Students will be assigned three research papers for writing reports and presentations in teams. At the end of the course, students will be expected to give a final oral presentation on an article related to multi-“omics” topics. The overall goal of this introductory course is to provide the fundamental knowledge and training on different aspects of “omics” sciences- from data collection, data integration, to research applications, in addition to introducing basic bioinformatics tools for data analysis. This is a P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
18

Billing Hours

Billing Hours Min:
1

PELE 70030 - Film and Pharmacy

Overview

Course Description
Film and Pharmacy is an elective course designed to allow students to consider health, illness, clinical issues, stigma and perceptions of health care professionals, patients, family/caregivers, and society through the lens of film. Each class will have a theme for the pre-readings, film, and discussion. Class time will be used to watch the film and then to engage in a facilitated discussion. Students are then asked to write a reflection on the topic for the week. Themes for the class sessions will be mental illness, genetic modification, ethics in health care, end of life/palliative care and then a class option for selecting the final topic: lesbian, gay, bisexual, transgender, questioning (LGTBQ) or obesity or suicide or substance use disorders. This is a P1, P2 and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

PELE 70032 - Graphic Storytelling: Comics & Medicine

Overview

Course Description
Graphic medicine is the use of comics to tell personal stories of illness and health. Comics use a multilayered language of image and text to create a meaning that neither component can separately convey. Graphic medicine communicates the author's personal or lived experience, which balances the clinical realm of symptoms, diagnoses, and medicines. In this course, we will explore the world of graphic medicine, reflect on our own experiences, and develop a work of comics art in a medical context. This course offers you an opportunity for you to reflect on your experiences as a pharmacy student and as a person, patient, and caregiver. You will use your creativity to share your own stories through the scripting and creation of a 4–8-page comic, which will be collected in print. We will take a transformative perspective in this course and focus on personal growth and communication. While this course is designed around evaluation of comics literature and the act of making art, you do not need to have any experience with artmaking or literature review to take this course. This is a P2 and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
16

Billing Hours

Billing Hours Min:
1

PELE 70033 - Travel Medicine

Overview

Course Description
This elective will introduce students to the field of travel medicine. The includes emphasis on pre-travel health, care specific to various travel locations, tropical diseases, and vaccinations.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PELE 70035 - Immunization Hesitancy

Overview

Course Description
This course will review the history of immunizations and immunization hesitancy. The course will review why immunization hesitancy exists, the different forms of hesitancy, and how to communicate with patients about their reservations. Students will identify vaccine myths found online and present fact-based evidence to address the myth. This is a P1, P2, and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
14

Billing Hours

Billing Hours Min:
1

PELE 70036 - LGBTQ + Health and Practice

Overview

Course Description
LGBTQ+ Health and Practice is an elective for pharmacy students that teaches students about the health and wellness needs of the LGBTQ+ population. In addition, students will learn about the history of cultural and medical discrimination, and health disparities within the various subpopulations of the LGBTQ+ community. This course will also review how to be an ally and a better caregiver for LGBTQ+ patients.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

PELE 70037 - Explorations in Academia

Overview

Course Description
This elective course is designed to allow students opportunities to become familiar with the responsibilities and work of a pharmacy faculty member. The course will consist of a select mixture of the following activities: discussion sessions, independent-based research, facilitation of teaching activities, support in development of teaching activities, and grading/providing feedback on student work. Students will be able to gain experience and leadership skills related to academia. Students will also perform online FERPA training. This is a P2 and P3 course offering

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Research

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
1

PELE 70038 - Advanced Drug Design and Discovery

Overview

Course Description
This is a faculty-mentored, integrated course that introduces advanced modern drug design technologies, including the areas of bioinformatics and computer-aided drug design (CADD). The course will consider the key aspects of drug design, including an overview of the drug discovery process, an in-depth analysis of early-stage drug discovery focusing on therapeutic target identification and analysis, with consideration of the mode of intervention, and hands-on experience with relevant software. The course will cover the screening approaches used in drug development, with an emphasis on small molecule hit identification and validation with practical experience regarding the approaches used in lead optimization. It will also provide insight into molecular pharmacology, safety, and concepts of structure-activity relationship (SAR) considerations and will include case studies and a practical involving screening design and in-silico follow-up of hit compounds. The course will also heavily rely on out-of-lecture readings and learning through hands-on computational training on data acquisition, analysis, and outcome evaluation. At the end of the course, students will be expected to give a final oral presentation on an article related to multi-drug discovery research topics. This is a P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Combined Lecture/Lab, Research, Small Group (Historical No Longer Active)

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

PELE 70039 - Managed Care Pharmacy Elective

Overview

Course Description
This elective course will provide an understanding of managed care pharmacy and how it impacts the healthcare system. The course will cover managed care and the US health care system, prescription drug benefit, formulary management, specialty pharmacy, drug use evaluation, pharmacoeconomics, and roles and responsibilities of a managed care pharmacist. By course completion, the student will obtain knowledge of managed care pharmacy that can be a valuable preparation for experiential education and career opportunities in today's highly competitive marketplace. This is a P2 and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Small Group (Historical No Longer Active)

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

PELE 70040 - History of Pharmacy

Overview

Course Description
The History of Pharmacy elective presents the development of the profession of pharmacy from the Stone Age to modern times, with an emphasis on the origin of many of today's practices. In addition, the course also looks at the unique stories behind the development of and use of many modern drugs. This is a P1, P2, and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Small Group (Historical No Longer Active), Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
16

Billing Hours

Billing Hours Min:
1

PELE 70041 - Cross University Pharmacy Advocacy

Overview

Course Description
This course is to teach student pharmacists about the role and process of legislative advocacy in the pharmacy profession. Students will learn basic principles of legislative advocacy and contemporary issues in the profession of pharmacy. The course will have a hybrid delivery format with most sessions being delivered in an asynchronous, virtual manner. Students will be required to attend Advocacy Awareness Day in Columbus in November and attend the other in-person sessions. Students will be responsible for their own travel with included expenses. This course is provided in collaboration with faculty at Northeast Ohio Medical University, Ohio Northern University, The Ohio State University, The University of Findlay, The University of Toledo, and The Ohio Pharmacists Association (OPA). This is a P2, and P3 course offering.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

PHAR 72207 - Pharmacotherapy: OTC/ Self-Care

Overview

Course Description
The OTC Self Care course provides students with an introduction to the pharmacotherapy of over-the-counter (OTC), self-care and an opportunity for application of this knowledge using case studies. An overview will be given on OTC medications and self-managed disease states commonly encountered in practice.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab, Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3.5

Billing Hours

Billing Hours Min:
3.5

PHAR 72208 - Pharmacotherapy: Intro Chronic Disease

Overview

Course Description
The Intro to Chronic Disease course establishes a foundation of pharmacotherapeutic knowledge for a number of common chronic diseases. Students will be introduced to the structure that will be present throughout the Pharmacotherapeutics sequence and cover the topics of hypertension, dyslipidemia, peripheral artery disease, asthma and chronic obstructive pulmonary disease.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab, Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3.5

Contact Hours

Contact Hours Min:
52

Billing Hours

Billing Hours Min:
3.5

PHAR 72307 - Pharmacotherapy: Nephrology

Overview

Course Description
The Pharmacotherapy course sequence spans the 2nd and 3rd professional years and is divided into 11 courses. Each course has a different theme, which builds upon material from previous courses in the sequence. The courses integrate basic sciences (physiology, pathophysiology), pharmaceutical sciences (medicinal chemistry, pharmacology) and clinical pharmacy practice (therapeutic decision making). It is team taught, predominantly by faculty within the College of Pharmacy. These courses will build a foundation of knowledge related to normal physiology, pathophysiology and the related therapeutic decision making for the most common acute and chronic disease states and their associated complications. Students will learn about available pharmacologic and nonpharmacologic therapies and the role of the pharmacist in selecting the most appropriate treatment modality. Extensive use of patient case studies will help students continue to develop the critical thinking skills necessary to collect, analyze and evaluate appropriate information in order to develop comprehensive, individualized patient care plans. These courses are designed to prepare students for the advanced pharmacy practice experiences in the 4th professional year.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

PHAR 72308 - Pharmacotherapy: Endocrinology

Overview

Course Description
The Endocrine course will build a foundation of knowledge related to normal physiology, pathophysiology, and common conditions related to endocrine conditions and gender health. Students will learn about the hypothalamus, pituitary, and adrenal axis and the hormones responsible for normal endocrine organ function. This course will focus on the therapeutic management of the most common acute and chronic endocrine and gender health issues and their associated complications.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
59

Billing Hours

Billing Hours Min:
4

PHAR 72309 - Pharmacotherapy: Advanced Cardiology

Overview

Course Description
The Advanced Cardiology course will build a foundation of knowledge related to normal physiology, pathophysiology, and common conditions related to cardiology. This course will build upon concepts that were introduced in the Introduction to Chronic Diseases course. This course will focus on the therapeutic management of the most common acute and chronic cardiovascular conditions and their associated complications.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3.5

Billing Hours

Billing Hours Min:
3.5

PHAR 83208 - Pharmacotherapy: Neurology/ Psychiatry

Overview

Course Description
The Pharmacotherapeutics course sequence spans the 2nd and 3rd professional years and is divided into 11 courses. Each course has a different theme, which builds upon material from previous courses in the sequence. The courses integrate basic sciences (physiology, pathophysiology), pharmaceutical sciences (medicinal chemistry, pharmacology) and clinical pharmacy practice (therapeutic decision making). It is team taught, predominantly by faculty within the College of Pharmacy. These courses will build a foundation of knowledge related to normal physiology, pathophysiology and the related therapeutic decision making for the most common acute and chronic disease states and their associated complications. Students will learn about available pharmacologic and non-pharmacologic therapies and the role of the pharmacist in selecting the most appropriate treatment modality. Extensive use of patient case studies will help students continue to develop the critical thinking skills necessary to collect, analyze and evaluate appropriate information in order to develop comprehensive, individualized patient care plans. These courses are designed to prepare our students for their advanced pharmacy practice experiential rotations in the 4th professional year.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab, Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
60

Billing Hours

Billing Hours Min:
4

PHAR 83209 - Pharmacotherapy: Infectious Diseases

Overview

Course Description
This module will build a foundation of knowledge related to normal physiology, pathophysiology and the related therapeutic decision making for the major infectious diseases. Students will be responsible for identifying mechanism of action, drug class, and monitoring parameters for various antimicrobial medications. A strong emphasis will be placed on empiric and organism-targeted therapies. Students will need to know medication doses, indications, monitoring parameters, and appropriate counseling tips for each medication. Infectious diseases can impact a patient's life in the community setting as well as in a high-intensity critical care setting; it is important that students are able to understand and appreciate these infections so that they can better assist in patient care. Lectures will include active learning components such as case discussions to help students continue to develop their critical thinking skills.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab, Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3.5

Billing Hours

Billing Hours Min:
3.5

PHAR 83210 - Pharmacotherapy: Gastroenterology

Overview

Course Description
The Gastroenterology course will build a foundation of knowledge related to normal physiology, pathophysiology, and to common conditions related to gastroenterology and hepatology as well as principles of human nutrition. This course will focus on the therapeutic management of the most common acute and chronic gastrointestinal conditions and their associated complications. Students will also learn about available pharmacologic and non-pharmacologic therapies and the role of the pharmacist in selecting the most appropriate treatment modality. Patient case studies will be incorporated into lectures to highlight key concepts and help students develop the critical thinking skills necessary to collect, analyze, and evaluate appropriate information in order to develop comprehensive, individualized patient care plans.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

PHAR 83307 - Pharmacotherapy: Critical Care

Overview

Course Description
The Critical Care course will build a foundation of knowledge related to normal physiology, pathophysiology, and common conditions related to the safe and effective use of medications for patients in the critical care setting. Principles of toxicology and poison prevention will also be reviewed. This course will focus on the therapeutic management of patients in the critical care setting and the most common acute and chronic poisonings and their associated complications.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3.5

Contact Hours

Contact Hours Min:
51

Billing Hours

Billing Hours Min:
3.5

PHAR 83308 - Pharmacotherapy: Immunology/ Oncology

Overview

Course Description
The Pharmacotherapy course sequence spans the 2nd and 3rd professional years and is divided into 11 courses. Each course has a different theme, which builds upon material from previous courses in the sequence. The courses integrate basic sciences (physiology, pathophysiology), pharmaceutical sciences (medicinal chemistry, pharmacology) and clinical pharmacy practice (therapeutic decision making). It is team taught, predominantly by faculty within the College of Pharmacy. These courses will build a foundation of knowledge related to normal physiology, pathophysiology and the related therapeutic decision making for the most common acute and chronic disease states and their associated complications. Students will learn about available pharmacologic and nonpharmacologic therapies and the role of the pharmacist in selecting the most appropriate treatment modality. Extensive use of patient case studies will help students continue to develop the critical thinking skills necessary to collect, analyze and evaluate appropriate information in order to develop comprehensive, individualized patient care plans. These courses are designed to prepare students for the advanced pharmacy practice experiences in the 4th professional year.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3.5

Billing Hours

Billing Hours Min:
3.5

PHAR 83310 - Pharmacotherapy: Special Populations

Overview

Course Description
This course will build a foundation of knowledge related to normal physiology, pathophysiology, and the related therapeutic decision-making in the areas of pediatrics, geriatrics, and pregnancy and lactation. Students will learn about pharmacodynamic and pharmacokinetic changes in these populations and the impact on medication selection, dosing, and other aspects of pharmacotherapy. This course will also focus on the therapeutics of common pediatric and geriatric conditions. Students will be responsible for knowing available pharmacologic and non-pharmacologic therapies and selecting the most appropriate treatment modality based on treatment guidelines. Patient case studies will be used to help students continue to develop the critical thinking skills necessary to collect, analyze, and evaluate appropriate information in order to develop comprehensive, individualized patient care plans.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

PHCS 71302 - Health Care Delivery System

Overview

Course Description
The Health Care Delivery System course describes the current U.S. health care system, including critical issues and core challenges that impact the way health care professionals' practice today and will practice in the future. Faculty provide an in-depth and objective appraisal of the history related to the practice of pharmacy and the healthcare system, how our health care system is organized to deliver care; the impact of health-related behaviors; economics and financing of the health care delivery system; healthcare reform and other emerging and recurrent issues in health policy, health care related technology, quality of care, patient safety, and public health. Offered spring semester.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

PHDD 71205 - Introduction to Pharmaceutical Sciences

Overview

Course Description
The purpose of this introductory team-taught course is to provide the pharmacy student with an overview of the various interdisciplinary areas of pharmaceutical sciences – pharmaceutical chemistry, pharmacokinetics, pharmacodynamics, pharmacogenomics, pharmacology, and toxicology. The course covers different aspects of basic and applied sciences that are involved in drug candidate identification, and activity/toxicity testing. The course provides an introduction to design, mechanism of action, and disposition of drugs. The primary mission of the course is to provide the student an appreciation and understanding of the "how" and "why" of drug function. Upon successful completion of this course the student will have sufficient background knowledge of the aforementioned topics which will be extremely useful in subsequent courses offered in the pharmacy curriculum.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Combined Lecture/Lab

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

PHDD 71207 - Pharmaceutical Calculations

Overview

Course Description
Pharmaceutical Calculations is the area of study that applies the basic principles of mathematics to the preparation and efficacious use of pharmaceutical preparations. It includes calculations from initial product formulation through clinical administration and outcomes assessment. This course will focus on the pharmaceutical and clinical calculations that are critical to the safe and effective delivery of medications by accurately performing pharmaceutical calculations. Calculation of patient-specific drug dosing will be mainly covered. Other topics will include pharmaceutical measurement, interpretation of prescriptions and medication orders, density and specific gravity, percent strength, ratio strength, calculation of doses, electrolyte solutions, intravenous infusions, and reductions and enlargements of formulas.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Cohort
P1 Cohort

Syllabus
2026_PharmaceuticalCalculations_Fall_Syllabus.docx

Credits

Credit Hours

Credit Hours Min:
2.5

Contact Hours

Contact Hours Min:
38

Billing Hours

Billing Hours Min:
2.5

PHDD 71305 - Pharmacodynamics Pharmacokinetics

Overview

Course Description
The purpose of this team-taught course is to provide the pharmacy student with a coherent, in-depth, and integrated overview of the various interdisciplinary areas of pharmaceutical sciences – pharmacodynamics (PD), drug metabolism, pharmacogenomics, personalized medicine, drug discovery and FDA approval, and pharmacokinetics (PK). The course introduces the process of drug discovery and development in the modern era of personalized medicine. The course builds upon the topics taught in the Introduction to Pharmaceutical Sciences (IPS) course. The primary mission of the PDPK course, similar to the IPS course, is to provide the student an appreciation and understanding of the “how” and “why” of drug function. Upon successful completion of this course the student will have adequate knowledge of the aforementioned topics which will be extremely useful in subsequent courses offered in the pharmacy curriculum.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Blended (Historical No Longer Active)

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

PHDD 72302 - Parenteral Products

Overview

Course Description
In the Parenteral Products course, you will take on the role of the compounding pharmacist. The goal of this course is to deepen your understanding of key concepts and assist with your development of skills related to: USP <797> and USP <800>, aseptic technique, microbiological considerations, engineering controls, principles of compatibility and sterility, preparation of hazardous drugs, total parenteral nutrition, pediatric considerations, state and federal regulations, patient and employee safety and calculations. The intent of the course is to simulate, as closely as possible, a real-world sterile compounding environment. This course is designed to prepare you for work on your experiential rotations, internships, and eventual practice as a licensed pharmacist.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2

Billing Hours

Billing Hours Min:
2

PHDD 72303 - Parenteral Products Lab

Overview

Course Description
In the Parenteral Products Lab course, you will take on the role of the compounding pharmacist. The goal of this course is to deepen your understanding of key concepts and assist with your development of skills related to: USP <797> and USP <800>, aseptic technique, microbiological considerations, engineering controls, principles of compatibility and sterility, preparation of hazardous drugs, total parenteral nutrition, pediatric considerations, state and federal regulations, patient and employee safety and calculations.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Laboratory/Simulation

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

PHLD 71200 - Personal and Professional Development for Pharmacy I

Overview

Course Description
In the first year of PPD, students will focus on self-awareness. Students will become more aware of their own strengths and weaknesses and begin to develop their professional identity. Other themes for the first year revolve around networking, professional boundaries, HIPAA, giving and accepting constructive feedback, interviewing skills, as well as time and stress management.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Cohort
P1 Cohort

Credits

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

PHLD 71300 - Personal and Professional Development for Pharmacy II

Overview

Course Description
In the first year of PPD, students will focus on self-awareness. Students will become more aware of their own strengths and weaknesses and begin to develop their professional identity. Other themes for the first year revolve around networking, professional boundaries, HIPAA, giving and accepting constructive feedback, interviewing skills, as well as time and stress management.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Online (Historical No Longer Active)

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
0.5

Billing Hours

Billing Hours Min:
0.5

PHLD 72200 - Personal and Professional Development for Pharmacy III

Overview

Course Description
In the second year of PPD, students will focus on discovering the world of pharmacy. Students will learn about the diverse patient populations they will serve as pharmacists and learn about leadership in the pharmacy and in the healthcare team. Students will also continue to focus on themes emphasized in PPD 1, including personal and financial wellness, the interplay between professionalism and social media, and will be introduced to concepts of professional advocacy.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
0.5

Billing Hours

Billing Hours Min:
0.5

PHLD 72300 - Personal and Professional Development for Pharmacy IV

Overview

Course Description
In the second year of PPD, students will focus on discovering the world of pharmacy. Students will learn about the diverse patient populations they will serve as pharmacists and learn about leadership in the pharmacy and in the healthcare team. Students will also continue to focus on themes emphasized in PPD 1, including personal and financial wellness, the interplay between professionalism and social media, and will be introduced to concepts of professional advocacy.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail, Pass/Fail

Credits

Credit Hours

Credit Hours Min:
0.5

Billing Hours

Billing Hours Min:
0.5

PHLD 83200 - Personal and Professional Development for Pharmacy V

Overview

Course Description
In the third year of PPD, students will focus on self-actualization. Based on self-assessment (PPD 1,2) and career exploration (PPD 3,4) students will now focus on discovering your place in the world of pharmacy. Students will continue learn about the diverse patient populations and learn how to be patient advocates. Students will also continue to focus on themes emphasized in PPD 1,2, 3 and 4 including personal and financial wellness.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab, Lecture, Online (Historical No Longer Active), Blended (Historical No Longer Active)

Grade Modes
Honors/Pass/Fail, Pass/Fail

Credits

Credit Hours

Credit Hours Min:
0.5

Contact Hours

Contact Hours Min:
6

Billing Hours

Billing Hours Min:
0.5

PHLD 83300 - Personal and Professional Development for Pharmacy VI

Overview

Course Description
In the third year of PPD, students will focus on self-actualization. Based on self-assessment (PPD 1,2) and career exploration (PPD 3,4) students will now focus on discovering your place in the world of pharmacy. Students will continue learn about the diverse patient populations and learn how to be patient advocates. Students will also continue to focus on themes emphasized in PPD 1,2, 3 and 4 including personal and financial wellness.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Online (Historical No Longer Active)

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
0.5

Billing Hours

Billing Hours Min:
0.5

PHLD 84200 - Personal and Professional Development for Pharmacy VII

Overview

Course Description
In the fourth year of PPD, students will focus on discovery their place in the world. Students will continue learn about themselves through self-awareness activities, as well as continue to develop their own personal leadership style. Students will also continue to focus on themes emphasized in PPD 1-6 including professionalism.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Online (Historical No Longer Active), Combined Lecture/Lab, Blended (Historical No Longer Active), Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
0.5

Billing Hours

Billing Hours Min:
0.5

PHLD 84300 - Personal and Professional Development for Pharmacy VIII

Overview

Course Description
In the fourth year of PPD, students will focus on discovery their place in the world. Students will continue learn about themselves through self-awareness activities, as well as continue to develop their own personal leadership style. Students will also continue to focus on themes emphasized in PPD 1-6 including professionalism.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab, Online (Historical No Longer Active), Lecture, Blended (Historical No Longer Active)

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
0.5

Billing Hours

Billing Hours Min:
0.5

PHPE 71206 - Pharmacy Skills I

Overview

Course Description
The Pharmacy Skills 1 course will largely focus on communication skills needed to be a pharmacist. Student pharmacists will learn basic communication skills, medical history interviewing and documenting skills, as well as OTC counseling skills. Student pharmacists will also learn how to perform important physical assessments such as taking a blood pressure, heart rate, and respiratory rate. The course will also complement the Human Anatomy Physiology and Pathophysiology course as well as the Experiential course in terms of testable information for top 300 drug quizzes.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Small Group Discussion, Seminar, Laboratory/Simulation

Grade Modes
Honors/Pass/Fail

Cohort
P1 Cohort

Syllabus
F26_PHPE_71206_PharmacySkills1_Cober_updated_20260109.docx

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
50

Billing Hours

Billing Hours Min:
3

PHPE 71306 - Pharmacy Skills II

Overview

Course Description
The Pharmacy Skills 2 course will largely focus on communication skills needed to be a pharmacist. Student pharmacists will learn motivational interviewing skills, medication counseling skills, and communicating via SBAR method. Student pharmacists will also be introduced to drug therapy categories. The course will also complement the Human Anatomy Physiology and Pathophysiology course in terms of testable information for top 300 drug quizzes.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Small Group Discussion

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
30

Billing Hours

Billing Hours Min:
2

PHPE 71400 - Profession Ready

Overview

Course Description
The P1 Profession Ready course will focus on ensuring that the student is professional ready. The course will review major topics from the foundational science courses throughout the P1 year as well as strengthen skills learned throughout the Pharmacy Skills. This course will combine a number of learning and assessment strategies such as team-based learning, Wasson assessments, and reflective conversations and writing.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture, Small Group (Historical No Longer Active)

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

PHPE 72206 - Pharmacy Skills III

Overview

Course Description
The Pharmacy Skills Course will complement the Pharmacotherapy course by fostering student pharmacists' application of knowledge acquired during the pharmacotherapy course series in both recitation and simulation formats. Additionally, student pharmacists will learn and apply the Joint Commission of Pharmacy Practitioner's Pharmacist Patient Care Process (PPCP). Within PCPP, using the principles of evidence-based medicine, student pharmacists will practice the skills of collecting and data, care planning, and follow up for patient care services.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab, Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2

Billing Hours

Billing Hours Min:
2

PHPE 72306 - Pharmacy Skills IV

Overview

Course Description
The Pharmacy Skills Course will complement the Pharmacotherapy course by fostering student pharmacists' application of knowledge acquired during the pharmacotherapy course series in both recitation and simulation formats. Additionally, this course will focus on the development of evidence-based medicine evaluation and application skills. Student pharmacists will also gain practice and evaluation related to patient care documentation skills. This course will instill the value of the Joint Commission of Pharmacy Practitioner's Pharmacist Patient Care Process (PPCP). Within PCPP, using the principles of evidence-based medicine, student pharmacists will practice the skills of collecting data, assessing data, care planning, and follow up for patient care services.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Cohort
P2 Cohort

Syllabus
PS4 Syllabus_Fuschetto_Updated 7.28.26.docx

Credits

Credit Hours

Credit Hours Min:
1.5

Contact Hours

Contact Hours Min:
21

Billing Hours

Billing Hours Min:
1.5

PHPE 72400 - Patient Care Ready

Overview

Course Description
This course, offered at the end of the P2 year, is a culmination of knowledge & skills to ensure students are patient care ready. Instruction and simulation will focus on reviewing and discussing skills that will prepare student pharmacists for their upcoming P3 year. Areas of focus include clinical services provision by pharmacists, communication strategies and skills with patients and healthcare professionals, assessment of drug information knowledge, identification of drug therapy problems and medication therapy management (MTM), pharmacy calculations, professionalism, ethics, and self-awareness. Students will go through the APhA's Delivering Medication Management Services Certification Training Program through a systematic approach to developing, implementing, delivering, and sustaining MMS services. It will include an overview of the marketplace for delivering MMS services, guidance for implementing MMS services in pharmacy practice, and a review of the essential skills and knowledge needed for performing MTM successfully. This course also includes a summative assessment of Top 300 Drugs & Vaccines and Pharmacy Calculations learned till P2 curricula.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Cohort
P2 Cohort

Syllabus
PCR_M27_Syllabus_Updated_052126.docx

Credits

Credit Hours

Credit Hours Min:
0.5

Billing Hours

Billing Hours Min:
0.5

PHPE 83206 - Pharmacy Skills V

Overview

Course Description
The Pharmacy Skills 5 Course will complement the Pharmacotherapy course by fostering student pharmacists' application of knowledge acquired during the pharmacotherapy course series in both recitation and simulation formats. Additionally, this course will focus on the development of evidence-based medicine evaluation and application skills. Student pharmacists will also gain practice and evaluation related to patient care documentation skills. This course will instill the value of the Joint Commission of Pharmacy Practitioner's Pharmacist Patient Care Process (PPCP). Within PCPP, using the principles of evidence-based medicine, student pharmacists will practice the skills of collecting data, assessing data, care planning, and follow up for patient care services."

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab, Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1.5

Billing Hours

Billing Hours Min:
1.5

PHPE 83306 - Pharmacy Skills VI

Overview

Course Description
The Pharmacy Skills Course will complement the Pharmacotherapy course by fostering student pharmacists' application of knowledge acquired during the pharmacotherapy course series in both recitation and simulation formats. Additionally, this course will focus on the development of evidence-based medicine evaluation and application skills. Student pharmacists will also gain practice and evaluation related to patient care documentation skills. This course will instill the value of the Joint Commission of Pharmacy Practitioner's Pharmacist Patient Care Process (PPCP). Within PCPP, using the principles of evidence-based medicine, student pharmacists will practice the skills of collecting data, assessing data, care planning, and follow up for patient care services.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
16.5

Billing Hours

Billing Hours Min:
1

PHPE 83400 - APPE Ready

Overview

Course Description
This required course, offered in Maymester at the end of the P3 year, is a culmination of knowledge and skills to ensure students are APPE ready. Instruction and simulation will focus on reviewing and discussing skills that will prepare student pharmacists for their upcoming P4 advanced pharmacy practice experiences. Areas of focus will include communication, assessment of drug information knowledge, professionalism, ethics, and self-awareness.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Lecture

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2

Billing Hours

Billing Hours Min:
2

PHRX 72201 - Experiential Education I

Overview

Course Description
The primary goal of the second-year Introductory Pharmacy Practice Experiences (IPPEs) is to gain exposure and experience in the process of filling, dispensing and adjudication of prescriptions in community and institutional practice settings. In addition, you will have the opportunity to counsel patients on over-the-counter (OTC) medications and acquaint yourself to the challenges and opportunities of providing pharmacy services to the underserved patient. The Experiential Education 1 course is designed for the students to visit pharmacy practice sites for a 40-hour week period each. The visits are designed to reinforce and enhance what the students are learning in the didactic curriculum.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Clinical Experience

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
80

Billing Hours

Billing Hours Min:
2

PHRX 72301 - Experiential Education II

Overview

Course Description
The primary goal of the second-year Introductory Pharmacy Practice Experiences (IPPEs) is for students to gain exposure and experience in the process of filling, dispensing and adjudication of prescriptions in community and institutional practice settings. In addition, students will have the opportunity to counsel patients on over-the-counter (OTC) medications and acquaint yourself to the challenges and opportunities of providing pharmacy services to the underserved patient. The Experiential Education 2 course is designed for students to visit different pharmacy practice sites for a 40-hour week period each. The visits are designed to reinforce and enhance what the students are learning in the didactic curriculum.

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Clinical Experience

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
80

Billing Hours

Billing Hours Min:
2

PHRX 83201 - Experiential Education III

Overview

Course Description
The primary goal of the third-year introductory pharmacy practice experiences (IPPEs) in Experiential Education 3 is for students to gain exposure and experience in the processes and systems utilized to achieve appropriate medication outcomes in patients. Students will participate in the procedures for monitoring medication safety, identifying quality improvements of the medication use system, identifying appropriate monitoring parameters for drug therapy, review legal and regulatory requirements of the site, and perform patient medication counseling. In addition, students will have the opportunity to develop key skills in preparation for the advanced pharmacy practice experiences (APPEs) (e.g. patient case presentation, journal clubs, answering drug information questions, completing projects).

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Clinical Experience

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2

Contact Hours

Contact Hours Min:
80

Billing Hours

Billing Hours Min:
2

PHRX 83301 - Experiential Education IV

Overview

Course Description
The primary goal of the third-year introductory pharmacy practice experiences (IPPEs) in Experiential Education 4 is for students to gain exposure and experience in the processes and systems utilized to achieve appropriate medication outcomes in patients. Students will participate in the procedures for monitoring medication safety, identifying quality improvements of the medication use system, identifying appropriate monitoring parameters for drug therapy, review legal and regulatory requirements of the site, and perform patient medication counseling. In addition, students will have the opportunity to develop key skills in preparation for the advanced pharmacy practice experiences (APPEs) (e.g. patient case presentation, journal clubs, answering drug information questions, completing projects).

Academic Level
Professional

College
College of Pharmacy

Schedule Type
Combined Lecture/Lab, Clinical Experience

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
2

Billing Hours

Billing Hours Min:
2

PMR 84000 - Physical Med & Rehabilitation

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PSYC 83005 - Psychiatry Clerkship

Overview

Course Description
The Psychiatry Clerkship is a five-week clinical rotation. The core curriculum is designed to provide for the acquisition of clinical competence and basic knowledge in psychiatry, the development of interpersonal skills and the promotion of attitudes commensurate with high standards of professionalism. A foundation for continued learning and self-improvement will be established, and an awareness of the role of systems within psychiatric practice will be developed. The core competencies will serve as a framework for the educational experiences that include didactics, case conferences, self-directed learning assignments and patient care activities.

Academic Level
Professional

College
College of Medicine

Schedule Type
Clerkship

Grade Modes
Honors/High Pass/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
5

Billing Hours

Billing Hours Min:
5

PSYC 84000 - Psychiatry

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PSYC 84001 - Addiction Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PSYC 84002 - Psychiatry/Emergency Medicine

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

PSYC 84003 - Community Health Care

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

PUBH 60201 - Public Health Concepts

Overview

Course Description
This course serves as an introduction to definitions, history, organization, law, ethics, essential services, global aspects and future aspects of public health.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

PUBH 60202 - Social and Behavioral Sciences in Public Health

Overview

Course Description
This course covers social and behavioral science concepts, theories, and their application to public health issues.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

PUBH 60203 - Epidemiology in Public Health

Overview

Course Description
This course will facilitate student understanding of fundamental epidemiological concepts (such as principles of causality), methods (such as study designs and measurements of health/disease status and risk factors), and their practical applications (such as evaluation of risk factors for various health problems and effectiveness of interventions targeting them, screening programs and disease surveillance).

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

PUBH 60204 - Biostatistics in Public Health

Overview

Course Description
This course will cover principles of biostatistics in the context of public health applications. It will include the basic and advanced statistical techniques for analyzing and investigating public health issues including disparities. Statistical package SPSS will be used.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

PUBH 60205 - Health Services Administration in Public Health

Overview

Course Description
Management principles, including personnel administration, budgeting, financing, and continuous quality improvement as they pertain to public health, planning and evaluation principles, public health economics, public health policy and data sources.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

PUBH 60206 - Policy and Environmental Sciences in Public Health

Overview

Course Description
This course provides an overview of public health policy, policy development, and advocacy. Environmental health issues serve as an example of the intersection between policy and science. Environmental health topics include air/water quality, food hygiene, sanitation, municipal/infectious/hazardous waste, vector-borne disease, occupational health, legal/risk issues, One Health, and global issues.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

PUBH 60207 - Grant Writing for Public Health Practice

Overview

Course Description
Methods and techniques for writing and managing grant proposals to support public health programs. Emphasis on development of grant proposals, including narrative, program plan, evaluation design, timeline, budget and budget justification; identification of grant funding sources; managing funded projects, and appropriate response to requests for proposals.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

PUBH 60208 - Public Health Practice and Issues

Overview

Course Description
In an organizational setting, the following topics will be explored: informatics and communication, diversity and cultural proficiency, ethics, and biology. These topics are emerging public health issues, which will be applied in a practice setting. Prerequisites: PUBH 60201 Public Health Concepts.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

PUBH 60209 - Public Health Research & Evaluation

Overview

Course Description
Public Health Research and Evaluation is a theoretical and applied course on research methods. Students will critically review journal articles, create research questions, conduct comprehensive literature reviews, employ quantitative and qualitative research methods that fall within institutional review board parameters, develop and execute a data analysis plan. Culmination of coursework will be an individual oral presentation and mock journal article. Prerequisite: MPH 60204 Biostatistics in Public Health. Prerequisite/co-requisite: MPH 60203 Epidemiology in Public Health. Students in MEH Degree Program can also take this course.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

PUBH 60294 - Independent Study in Public Health

Overview

Course Description
Independent Studies in Public Health (1-3 credits): Research or other individual project designed jointly by student and instructor. Intended to cover topics not available in electives list. May only be taken for a maximum of 3 credits. Prerequisite: Permission of academic advisor and faculty preceptor. Taken for a grade.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Lecture, Research

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
3

Billing Hours Operator:
TO

PUBH 60297 - Practicum

Overview

Course Description
Student is teamed with a faculty advisor and community preceptor(s) to work on a meaningful public health issue. For students who desire additional field experience. Prerequisite: Permission of Academic Advisor and faculty preceptor.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Practicum

Grade Modes
Pass/Fail

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

PUBH 60298 - Capstone Project I

Overview

Course Description
Students apply the public health competencies acquired in the core courses to a public health project. It is the culminating experience in the Consortium of Eastern Ohio Master of Public Health (CEOMPH) program. Students may register for this course only after all core courses and Capstone Project I have been successfully completed. The student will select a faculty and community preceptor that will provide guidance and evaluate the work on a project. An approved written product (grant, paper, etc.) must be produced. Prerequisites: MPH 60298 - Capstone Project I and all core courses.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Capstone, Independent Study (Historical No Longer Active), Lecture

Grade Modes
Pass/Fail

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

PUBH 60299 - Capstone Project II

Overview

Course Description
Students apply the public health competencies acquired in the core courses to a public health project. It is the culminating experience in the Consortium of Eastern Ohio Master of Public Health (CEOMPH) program. Students may register for this course only after all core courses and Capstone Project I have been successfully completed. The student will select a faculty and community preceptor that will provide guidance and evaluate the work on a project. An approved written product (grant, paper, etc.) must be produced. Prerequisites: MPH 60298 - Capstone Project I and all core courses.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Online (Historical No Longer Active), Capstone, Lecture

Grade Modes
Letter (A, B, C, F)

Instructional Methods
Online

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

RADI 84000 - Diagnostic Radiology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

RADI 84001 - Radiation Oncology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

RADI 84002 - Interventional Radiology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

RES 8D499 - Dissertation Research II

Overview

Course Description
Dissertation II provides continued enrollment for doctoral students who have completed all required coursework and dissertation credit hours but require additional time to finalize their dissertation and prepare for the defense. This course supports sustained progress toward degree completion through ongoing faculty mentorship, access to research resources, and engagement with university academic services. Students focus exclusively on dissertation writing, data analysis, and defense preparation. Dissertation II does not count toward the minimum required credit hours for the degree and is not eligible for financial aid.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Research

Grade Modes
Pass/Fail

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
60

Billing Hours

Billing Hours Min:
4

Number Of Repeats:
16

RES 60397 - Research

Overview

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Research

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
18

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
18

Billing Hours Operator:
TO

RES 60398 - Master's Thesis I

Overview

Course Description
Students will identify a topic to be explored and work with a faculty advisor to refine the topic, create a prospectus, do a comprehensive literature review, and create an outline for the master's Thesis. Some students may begin the introduction chapter of the master's Thesis during this time. Students will be evaluated on each of the identified components. Students at this stage may also be submitting applications for the IRB review (human subject research), particularly if qualitative and quantitative design methods may be employed.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Independent Study (Historical No Longer Active), Research, Blended (Historical No Longer Active)

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

RES 60399 - Master’s Thesis II

Overview

Course Description
Students will complete the major chapters and/or finalize data collection and analysis (if engaged in qualitative and/or quantitative research). The final compiled Thesis (traditional or project format) is due at the end of this course. It is strongly encouraged that all MA students present in the Annual Bioethics and Humanities Conference at NEOMED, or comparable venues on a national level. The final thesis must be of high quality, i.e., complete and publishable.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Independent Study (Historical No Longer Active), Research, Blended (Historical No Longer Active)

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

RES 60496 - Capstone

Overview

Course Description
A Capstone course is a final, culminating project completed in the last stages of an academic program, designed to showcase a student's knowledge and skills. It involves researching, analyzing, and solving a real-world problem or exploring a topic relevant to the student's field of study. The project can take various forms, such as a report, presentation, product prototype, or service proposal. Often requiring collaboration, critical thinking, and practical application, the Capstone provides an opportunity for students to demonstrate their ability to integrate and apply what they've learned. Typically, the final work or presentations are open to university constituents, faculty, other students, and industry experts.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Capstone

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
18

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
18

Billing Hours Operator:
TO

RES 60497 - Research

Overview

Course Description
This course provides Master degree and PhD candidates the opportunity to earn research credit while building the skills and learning the techniques that will allow them to embark upon their thesis or dissertation research. This course is designed to be taken concurrently with didactic coursework and continuing beyond the completion of didactic coursework, but prior to Thesis Research or Dissertation Research. The Research course is taken with the student's major advisor as the primary instructor. See specific program for required credit hours of research needed in order to fulfill the requirements of the program.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Research

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
18

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
18

Billing Hours Operator:
TO

Number Of Repeats:
30

RES 60498 - Thesis Research

Overview

Course Description
This course has been developed to provide master's degree candidates an opportunity to earn research credit toward performing research experiments, documenting their results, and performing data analyses that will form the basis of their thesis work. This course is meant to be taken once the master's degree candidate has successfully completed his didactic coursework. This course will be taken by the master's degree candidate in the last semester before the thesis defense.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Research

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
10

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
10

Billing Hours Operator:
TO

RES 60596 - Capstone

Overview

Course Description
A Capstone course is a final, culminating project completed in the last stages of an academic program, designed to showcase a student's knowledge and skills. It involves researching, analyzing, and solving a real-world problem or exploring a topic relevant to the student's field of study. The project can take various forms, such as a report, presentation, product prototype, or service proposal. Often requiring collaboration, critical thinking, and practical application, the Capstone provides an opportunity for students to demonstrate their ability to integrate and apply what they've learned. Typically, the final work or presentations are open to university constituents, faculty, other students, and industry experts.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Capstone

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
18

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
18

Billing Hours Operator:
TO

RES 60797 - Research

Overview

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Research

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
18

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
18

Billing Hours Operator:
TO

RES 60817 - Innovation Research

Overview

Course Description
This component of the program is designed to provide a research opportunity for students. They will engage a faculty advisor in a field of interest, investigate the potential for translating the research to commercialization, and write a report on the perceived outcomes. Students will be encouraged to submit a paper to the NEOMED student journal.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Laboratory/Simulation

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
1

Contact Hours

Contact Hours Min:
15

Billing Hours

Billing Hours Min:
1

RES 60818 - Innovation Capstone

Overview

Course Description
The capstone project will utilize the FDA design process along with other innovation tools learned in other program courses to design, develop, and prototype medical devices to serve an unmet need. Clinical needs will be identified from regional healthcare providers, concepts will be created and vetted against business cases and the final prototype will be validated against customer inputs. The project will culminate in key deliverables, including a set of requirements, and a concept prototype.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Capstone

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

RES 60896 - Capstone

Overview

Course Description
A Capstone course is a final, culminating project completed in the last stages of an academic program, designed to showcase a student's knowledge and skills. It involves researching, analyzing, and solving a real-world problem or exploring a topic relevant to the student's field of study. The project can take various forms, such as a report, presentation, product prototype, or service proposal. Often requiring collaboration, critical thinking, and practical application, the Capstone provides an opportunity for students to demonstrate their ability to integrate and apply what they've learned. Typically, the final work or presentations are open to university constituents, faculty, other students, and industry experts.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Capstone

Grade Modes
Letter (A, B, C, F)

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
18

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
18

Billing Hours Operator:
TO

RES 60897 - Research

Overview

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Research

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
18

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
18

Billing Hours Operator:
TO

RES 60996 - Capstone

Overview

Course Description
A capstone course is a final, culminating project completed in the last semester of the Health Data Science and Artificial Intelligence program, designed to showcase a student's knowledge and skills. It involves researching, analyzing, and solving a real-world problem or exploring a topic relevant to the student's field of study. The project can take various forms, such as a report, presentation, product prototype, or service proposal, and can be done in conjunction with the Clinical and Translational Research Institute. Often requiring collaboration, critical thinking, and practical application, the capstone provides an opportunity for students to demonstrate their ability to integrate and apply what they've learned. Typically, the final work or presentations are open to university constituents, faculty, other students, and industry experts.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Capstone

Grade Modes
Letter (A, B, C, F)

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

RES 60997 - Research

Overview

Course Description
This course provides master’s degree candidates the opportunity to earn research credit while building the skills and learning the techniques that will allow them to embark upon their thesis. This course is designed to be taken concurrently with didactic coursework, prior to Thesis for Non-Capstone Students. The Research course is taken with the student’s major advisor as the primary instructor.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Research

Grade Modes
Pass/Fail

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
18

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
18

Billing Hours Operator:
TO

RES 60998 - Thesis Research

Overview

Course Description
This course has been developed to provide master's degree candidates an opportunity to earn research credit under the in-person supervision of an advisor toward documenting their research results, performing data analyses, and scientific writing that will form the basis of their thesis work. This course will be taken by the master's degree candidate in the last semester before the thesis defense.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Research

Grade Modes
Pass/Fail

Cohort
COGS

Credits

Credit Hours

Credit Hours Min:
3

Contact Hours

Contact Hours Min:
45

Billing Hours

Billing Hours Min:
3

RES 80499 - Dissertation Research

Overview

Course Description
This course has been developed to provide doctoral candidates an opportunity to earn research credit toward performing research experiments, documenting their results, and performing data analyses that will form the basis of their dissertation work. This course is meant to be taken once the doctoral candidate has successfully defended his Prospectus, the dissertation plan. This course will be taken by the doctoral candidate after the Prospectus defense and until the completion of the Dissertation defense. The credit hours assigned to this course can vary.

Academic Level
Graduate

College
College of Graduate Studies

Schedule Type
Research

Grade Modes
Pass/Fail

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
10

Credit Hours Operator:
TO

Billing Hours

Billing Hours Min:
1

Billing Hours Max:
10

Billing Hours Operator:
TO

RES 84000 - Research Elective

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

RES 84001 - Med Ethics and Humanities Res

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

SURG 83002 - Surgery Clerkship

Overview

Course Description
The Surgery Clerkship is a five-week clinical rotation. This core curriculum is designed to develop clinical competence, foster appropriate attitudes toward professional responsibility as a physician and to introduce the student to the specialty of Surgery. The emphasis will be on the surgeon's method and approach to the care of the patient. Students will learn through direct patient care experience in inpatient, ambulatory and operating room settings. Learning will be supplemented by teaching rounds, small group discussions, lectures, and case-studies. Core competencies will serve as a framework for educational experiences.

Academic Level
Professional

College
College of Medicine

Schedule Type
Clerkship

Grade Modes
Honors/High Pass/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
5

Billing Hours

Billing Hours Min:
5

SURG 84000 - General Surgery

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

SURG 84001 - Orthopaedic Surgery

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

SURG 84002 - Surgical Intensive Care

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

SURG 84003 - Plastic & Reconstructive Surg

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

SURG 84004 - Pediatric Surgery

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

SURG 84005 - Thoracic/Cardio Surgery

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4

SURG 84006 - Wound Care

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

SURG 84007 - Transplant Surgery

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

SURG 84008 - Surgical Oncology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

SURG 84009 - Neurosurgery

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

SURG 84010 - Transition to Surgery Residency

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

UROL 84000 - Urology

Overview

Academic Level
Professional

College
College of Medicine

Schedule Type
M4 Rotation

Grade Modes
Honors/Pass/Fail

Credits

Credit Hours

Credit Hours Min:
4

Contact Hours

Contact Hours Min:
180

Billing Hours

Billing Hours Min:
4