

Faculty of Veterinary Medicine Faculty, School And Department

Summary of Degree Programs

Faculty Information

Faculty Regulations

Program Details

Administration

Courses of Instruction by the Faculty of Veterinary Medicine

Programs

Doctor of Veterinary Medicine (DVM)

Overview

General Program Information

Website: vet.ucalgary.ca/

Student Information:

General Inquiries: 403.210.3961

DVM Admissions Inquiries: 403.220.8699

Graduate Studies Admission Inquiries: 403.210.6628

Clinical Training Programs Inquiries: 403.210.6116

Faculty Number: 403.210.3961

Email addresses:

General Inquiries: vetmed@ucalgary.ca

Dean's Office: vetdean@ucalgary.ca

DVM Admissions Inquiries: vet.admissions@ucalgary.ca

Graduate Studies Admission Inquiries: vmgrad@ucalgary.ca

Admissions

Program Admissions Information

For Faculty of Veterinary Medicine admission information see [3.1 Admissions](#).

Program Details

Simple Requisites

Subplan
No Requirement Level
Faculty Requirements Type Completion Requirement Faculty of Veterinary Medicine Graduation Requirements Complete ALL of the following Requirement Sets: Faculty of Veterinary Medicine - Graduation For other regulations related to the Faculty of Veterinary Medicine see 3. Faculty of Veterinary Medicine Regulations.
Additional Comments:
Program Requirements

Type

Completion Requirement

Introduction

The Faculty of Veterinary Medicine of the University of Calgary offers a four-year professional degree leading to a Doctor of Veterinary Medicine (DVM). The first three years of the program follow the regular academic year, while the fourth year is scheduled for 40 weeks, with two additional weeks for assessment, across the entire calendar year (May-April).

The DVM program is accredited by the AVMA-CVMA Council on Education and is based on an integrated core-elective model. The core program provides a comprehensive general veterinary education covering all the major domestic species, including food producing animals, equine and companion animals, and the major exotic animal species. The core program also includes public and ecosystem health, wildlife and conservation medicine, professional and communication skills, research skills and comparative medicine. The core program prepares students for general veterinary practice, with an emphasis on skills for successful practice in rural communities and provides a foundation to pursue all careers in veterinary medicine. The elective programs cover all areas of general veterinary practice and provide enhanced opportunities for students to pursue aspects of veterinary medicine relevant to their intended career goals.

Course Requirements

Course sequencing may vary, however total units per year of study must still be completed in order to progress to the next year of study. Refer to [Faculty of Veterinary Medicine](#) website for registration details.

Earn at least 130 credits from the following:

- First Year 30 units from the following: Veterinary Medicine (VTMD) 200, 202, 204, 206, 211, 213, 215, 217
- Second Year 30 units from the following: Veterinary Medicine (VTMD) 302, 304, 306, 308, 311, 313, 315, 317, 319
- Third Year 27 units from the following: Veterinary Medicine (VTMD) 401, 403, 420, 422, 424, 430, and 3 units from 409
- Fourth Year 40 units from the following: Veterinary Medicine (VTMD) 500, 505, 510, 515

Additional Comments:

Stem Cell and Regenerative Medicine Interdisciplinary Specialization

Overview

General Program Information

The University offers an interdisciplinary specialization in Stem Cell and Regenerative Medicine at the Master's and Doctoral levels for students registered in the following faculties and graduate programs:

- Biomedical Engineering
- Veterinary Medical Sciences

The student will receive the MSc (thesis-based) or PhD degree offered by the home program.

Biomedical Engineering BMEN

Email address: <mailto:bmegrad@ucalgary.ca>

Web page URL: <https://research.ucalgary.ca/bme/graduate>

Veterinary Medical Sciences VMS

Email address: <mailto:vmgrad@ucalgary.ca>

Web page URL: <http://vet.ucalgary.ca/graduate>

Admissions

Program Admissions Information

Students must first apply to a graduate program offering the specialization. See:

UCalgary

- [MSCT Biome](#)
- [PHD Biomed](#)
- [MSCT Veter](#)
- [PHD Veteri](#)

Applicants must meet the [admission requirements](#) of the Faculty of Graduate Studies and the home program that offers the Stem Cell and Regenerative Medicine specialization. The specialization is open to both Canadian and international students.

Program Details

Simple Requisites

Subplan
No Requirement Level
Program/Course Requirements Type Completion Requirement Additional Comments: In addition to meeting the requirements of the Faculty of Graduate Studies (see regulations) and the home program, students in the Stem Cell and Regenerative Medicine specialization must meet the following course requirements: a) VETM702 Adv Topics Stem Cell Biol b) MDSC710 Business & Careers Biotech • All SCRM students must attend and participate in the Reproduction and Regenerative Medicine Research Group monthly seminar series. Attendance is a mandatory program requirement and will be recorded. This is an ongoing, mandatory educational activity for the duration of the graduate program and is routinely attended by graduate supervisors. • All SCRM students must attend and participate in the weekly Reproduction and Regenerative Medicine Research group journal club. Attendance is a mandatory program requirement and will be recorded. This is an ongoing, mandatory educational activity for the duration of the graduate program, which will be attended by graduate supervisors on a rotary basis.
Additional Program Information Type Completion Requirement Additional Comments: See home program for information on time limits, supervisory assignments, required examinations, research proposal requirements and financial assistance.

Master of Science (MSc) Thesis-based in Veterinary Medical Sciences

Overview

General Program Information

Specializations*

- Wildlife Health and Ecology
- [Stem Cell&](#)

UCalgary

*Students may apply to one of the specializations provided that their main research plan falls within the scope of the specialization. Application should occur once admitted to the VMS graduate program.

In addition, the University of Calgary offers the joint **Leaders in Veterinary Medicine Program** leading to the combined DVM/MSc or DVM/PhD degrees. Students applying to the DVM/MSc or DVM/PhD program must apply individually to each program and complete a supplementary application for the Leaders in Veterinary Medicine Program. Further information regarding the Leaders in Veterinary Medicine Program is provided under the **Combined Degrees** section in this Calendar.

Master's thesis students are normally admitted as full-time students. The Faculty of Graduate Studies may however, approve requests for registration as part-time or transfer from a full-time to a part-time status.

Location: Teaching Research and Wellness (TRW) Building, Room 2D09

Program number: 403.210.8764

Fax: 403.210.6628

Email address: <mailto:vmgrad@ucalgary.ca>

Web page URL: <http://vet.ucalgary.ca/graduate>

Admissions

Program Admissions Information

For the MSc application deadlines, see <http://www.ucalgary.ca/future-students/graduate/explore-programs/veterinary-medicine-master-science-thesis-based>.

In addition to the Faculty of Graduate Studies **admission requirements**, the Veterinary Medical Sciences program requires:

- A minimum of a baccalaureate degree (or its equivalent, or a BVSc, DVM or MD degree) with course work appropriate for VMS graduate training from a recognized institution, with a minimum admission grade point average of 3.00 on a four-point scale or equivalent in the last two years (60 units) of undergraduate study.
- For applicants required to present proficiency in English, a minimum TOEFL (Internet-based) score of 97, an IELTS score of 7.0, or a CAEL overall score of 70. This requirement can also be met by completing the **Academic Communication Certificate** with a minimum grade of "A-" in each course.
- The VMS Funding Offer letter from a supervisor outlining the commitment to the training of the student, as well as the commitment to fund full-time students (in accordance with the **VMS Funding Policy**).
- Two reference letters.
- Curriculum Vitae.
- Endorsement of the Graduate Program Director, which is granted based on the evaluation of the admissions file by the UCVM Graduate Education Committee.

Program Details

Simple Requisites

Subplan
No Requirement Level
Program/Course Requirements
Type
Completion Requirement
Additional Comments:
In addition to Faculty of Graduate Studies requirements , PhD students must complete:
a) <u>VETM601 Prof Skills Hlth Science Res:</u>

b) **MDCH605 (VETM605)Intro Biostat Methods** or **MDCH610 Biostat I: Essntl's Biostat***;

*A suitable entry-level biostatistics course may be taken as an alternative to Veterinary Medicine 605 or 610, with permission from the Graduate Program Director.

c) MSc students must take at least 3 additional units that are appropriate to their field of study and have been approved by their Supervisory Committee; and

d) MSc students are required to give one public seminar to the Faculty of Veterinary Medicine community prior to scheduling the thesis examination.

All individuals working with humans or animals must have appropriate certification. In accordance with Canadian Council on Animal Care guidelines and the University of Calgary VPR office, all individuals who work with animals must register with the **Institutional Animal User Training Program** to complete the relevant U of C IAUTP online training modules and to determine what additional training is required as determined by their research program and any previous animal use training they may have. No animal work will be permitted until all training has been completed. The IAUTP online training modules can be accessed prior to arrival to the U of C once the student's UCID is assigned, however, the associated written quiz and live training sessions must be completed after arrival.

In accordance with Tri-Council guidelines, all students performing research involving humans must have the **CORE tutorial certificate** prior to applying for ethics certification and must receive ethics certification prior to working with human subjects.

Additional Program Information

Type

Completion Requirement

Additional Comments:

Advanced Credit

Advanced Credit may be given for course work completed prior to entry into the program. The applicant must make requests for advanced credit as part of the application for admission.

Flexible Grade Option (CG Grade)

The Veterinary Medical Sciences Graduate Program will not permit the Flexible Grade Option (CG Grade) for any graduate course offered by the Faculty of Veterinary Medicine. Students admitted to the Veterinary Medical Sciences Graduate program will not be allowed to request the CG Grade for any course that is applicable to their degree; or apply any course awarded a CG grade towards their graduation requirements.

Students may not choose the CG grade for courses taken extra to load.

The use of the CG grade will affect students' eligibility for internal awards.

Credit for Undergraduate Courses

The student's Supervisory Committee may recommend credit for undergraduate courses provided they are relevant to the area of study. Final approval is required by the Graduate Program Director.

Time Limit

In accordance with FGS Academic Regulations, students are expected to complete an MSc in two years, with a maximum time of four years.

Supervisory Assignments, Research Proposal and Required Examinations

Type

Completion Requirement

Additional Comments:

Supervisory Assignments

Students will normally have identified a permanent supervisor at the time of admission.

In consultation with the student's supervisor(s), a Supervisory Committee will be selected that includes a minimum of two additional faculty members for MSc degrees. The appointment of a supervisory committee shall be completed within three months after starting the program. The Graduate Program Director will approve the composition of the committee.

Co-supervision may be required. See [G.J. Supervision](#) for appointment of Co-Supervisor.

Research Proposal Requirements

The VMS Graduate Program requires all Master's students to present a research proposal to their supervisory committee. A copy of the final version of the proposal will be kept in the student's file.

The research proposal must be accepted by one year after initial registration in the program. For research proposal requirements, see <https://vet.ucalgary.ca/current-students/graduate-students/policies-forms>.

Thesis Examination

The thesis examination for MSc degrees will consist of a public seminar immediately followed by an open oral examination. In the thesis examination, the supervisor is a full voting member of the examination committee.

Scheduling of the Examination

All members of the Supervisory Committee must have reviewed the student's research, including a relevant written sample of the materials related to the thesis, before an examination can be scheduled.

Composition of the Committee

The Internal Examiner must be external to the home program.

Financial Assistance

Type

Completion Requirement

Additional Comments:

Full-time graduate students in the VMS Graduate Program will be offered a stipend as per the VMS graduate student funding policy. Funding support for the students may come from a variety of sources, including grants, awards and scholarships. Further information on funding opportunities can be found at <https://vet.ucalgary.ca/future-students/graduate-students/funding>.

Part-time students are not guaranteed VMS program-set minimum funding.

Doctor of Philosophy (PhD) in Veterinary Medical Sciences

Overview

General Program Information

Specializations*

- Wildlife Health and Ecology
- [Stem Cell](#)

*Students may apply to one of the specializations provided that their main research plan falls within the scope of the specialization. Application should occur once admitted to the VMS graduate program.

In addition, the University of Calgary offers the joint [Leaders in Veterinary Medicine Program](#) leading to the combined DVM/MSc or DVM/PhD degrees. Students applying to the DVM/MSc or DVM/PhD program must apply individually to each program and complete a supplementary application for the Leaders in Veterinary Medicine Program. Further information regarding the Leaders in Veterinary Medicine Program is provided under the [Combined Degrees](#) section in this Calendar.

Doctoral graduate students are normally admitted as full-time students. The Faculty of Graduate Studies may however, approve requests for registration as part-time or transfer from a full-time to a part-time status.

Location: Teaching Research and Wellness (TRW) Building, Room 2D09

Program number: 403.210.8764

Fax: 403.210.6628

Email address: <mailto:vmgrad@ucalgary.ca>

Web page URL: <http://vet.ucalgary.ca/graduate>

Admissions

Program Admissions Information

For the PhD application deadlines, see <http://www.ucalgary.ca/future-students/graduate/explore-programs/veterinary-medicine-doctor-philosophy-thesis-based>.

In addition to the Faculty of Graduate Studies [admission requirements](#), the Veterinary Medical Sciences program requires:

- a) A minimum of a baccalaureate degree (or its equivalent, or a BVSc, DVM or MD degree) with course work appropriate for VMS graduate training from a recognized institution, with a minimum admission grade point average of 3.00 on a four-point scale or equivalent in the last two years (60 units) of undergraduate study.
- b) For applicants required to present proficiency in English, a minimum TOEFL (Internet-based) score of 97, an IELTS score of 7.0, or a CAEL overall score of 70. This requirement can also be met by completing the [Academic Communication Certificate](#) with a minimum grade of "A-" in each course.
- c) The VMS Funding Offer letter from a supervisor outlining the commitment to the training of the student, as well as the commitment to fund full-time students (in accordance with the [VMS Funding Policy](#)).
- d) Two reference letters.
- e) Curriculum Vitae.
- f) Endorsement of the Graduate Program Director, which is granted based on the evaluation of the admissions file by the UCVM Graduate Education Committee.

Program Details

Simple Requisites

Subplan
No Requirement Level
Program/Course Requirements Type Completion Requirement Additional Comments: In addition to Faculty of Graduate Studies requirements, PhD students must complete: a) VETM601 Prof Skills Hlth Science Res; b) MDCH605 (VETM605)Intro Biostat Methods or MDCH610 Biostat I: Essntl's Biostat*; *A suitable entry-level biostatistics course may be taken as an alternative to Veterinary Medicine 605 or 610, with permission from the Graduate Program Director. c) PhD students must take at least 6 additional units that are appropriate to their field of study and have been approved by their Supervisory Committee; and

d) PhD students are required to give one public seminar the Faculty of Veterinary Medicine community prior to completing the admission to candidacy process, and are required to give a second public seminar prior to scheduling the thesis examination.

All individuals working with humans or animals must have appropriate certification. In accordance with Canadian Council on Animal Care guidelines and the University of Calgary VPR office, all individuals who work with animals must register with the **Institutional Animal User Training Program** to complete the relevant U of C IAUTP online training modules and to determine what additional training is required as determined by their research program and any previous animal use training they may have. No animal work will be permitted until all training has been completed. The IAUTP online training modules can be accessed prior to arrival to the U of C once the student's UCID is assigned, however, the associated written quiz and live training sessions must be completed after arrival.

In accordance with Tri-Council guidelines, all students performing research involving humans must have the **CORE tutorial certificate** prior to applying for ethics certification and must receive ethics certification prior to working with human subjects.

Additional Program Information

Type

Completion Requirement

Additional Comments:

Advanced Credit

Advanced Credit may be given for course work completed prior to entry into the program. The applicant must make requests for advanced credit as part of the application for admission.

Flexible Grade Option (CG Grade)

The Veterinary Medical Sciences Graduate Program will not permit the **Flexible Grade Option (CG Grade)** for any graduate course offered by the Faculty of Veterinary Medicine. Students admitted to the Veterinary Medical Sciences Graduate program will not be allowed to request the CG Grade for any course that is applicable to their degree; or apply any course awarded a CG grade towards their graduation requirements.

Students may not choose the CG grade for courses taken extra to load.

The use of the CG grade will affect students' eligibility for internal awards.

Credit for Undergraduate Courses

The student's Supervisory Committee may recommend credit for undergraduate courses provided they are relevant to the area of study. Final approval is required by the Graduate Program Director.

Time Limit

In accordance with FGS Academic Regulations, students in PhD programs are expected to complete their degree in four years, with a maximum time of six years.

Supervisory Assignments and Required Examinations

Type

Completion Requirement

Additional Comments:

Supervisory Assignments

Students will normally have identified a permanent supervisor at the time of admission.

In consultation with the student's supervisor(s), a Supervisory Committee will be selected that includes a minimum of three

additional faculty members for PhD degrees. In PhD committees, one member will be named from outside the VMS graduate program. The appointment of a supervisory committee shall be completed within three months after starting the program. The Graduate Program Director will approve the composition of the committee.

Co-supervision may be required. See [G.J. Supervision](#) for appointment of Co-Supervisor.

Candidacy

Doctoral students must successfully complete all coursework, a written examination of a research proposal, and an oral field-of-study examination. Students with a first registration after August 2015 are governed by the candidacy policy described at: <https://vet.ucalgary.ca/current-students/graduate-students/policies-forms>.

Thesis Examination

The thesis examination for PhD degrees will consist of a public seminar immediately followed by an open oral examination. In the thesis examination, the supervisor is a full voting member of the examination committee.

Scheduling of the Examination

All members of the Supervisory Committee must have reviewed the student's research, including a relevant written sample of the materials related to the thesis, before an examination can be scheduled.

Composition of the Committee

The Internal Examiner must be external to the home program.

Financial Assistance

Type

Completion Requirement

Additional Comments:

Full-time graduate students in the VMS Graduate Program will be offered a stipend as per the VMS graduate student funding policy. Funding support for the students may come from a variety of sources, including grants, awards and scholarships.

Further information on funding opportunities can be found at <https://vet.ucalgary.ca/future-students/graduate-students/awards-funding/faculty-veterinary-medicine-awards>.

Part-time students are not guaranteed VMS program-set minimum funding.

Courses

VETM360 - Introduction to Veterinary Medicine

Overview

Subject

VETM - Veterinary Medicine

Description

Students explore how people associate with animals, the issues that arise from these associations and the roles that veterinarians play in these contexts. Students observe animals as companions, in sport, for food, and in research. The structure and function of the major livestock industries and the roles that veterinarians occupy within those industries are examined.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

NOT INCLUDED IN GPA

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (40-54 Hours), WIL Field Placement

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	2	2
54	54		
OEE Workload Hours	Optional Component		
0	No		
Default Section Size	Final Exam Type		
30	Yes		
Provider for Authentication	LMS File Type		
DESIRE2LEARN	XML		
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		

Contact Hours

Contact Hours

Value:

54

Academic Progress Units

Academic

Progress Units

Value:

1

Financial Aid Units

Financial Aid

Units Value:

1

Course Count:

1

Repeat for Credit:

No

Number Of Repeats:

1

Total Units Allowed:

2

Subject code

VETM

VETM400 - Clinical Presentations II

Overview

Subject

VETM - Veterinary Medicine

Description

Building on Veterinary Medicine 300, students continue to develop analytic and non-analytic diagnostic reasoning skills. These skills include developing schemata and differential diagnoses lists, making decisions about using appropriate diagnostic tests, interpreting and integrating data from those tests, and using foundational knowledge to diagnose common clinical presentations.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
18	18		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	18	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	1.5	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid Units Value:	
		1.5	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM405 - Clinical Skills II

Overview

Subject

VETM - Veterinary Medicine

Description

Building on Veterinary Medicine 305, students develop skills in basic surgical principles, clinical examination of relevant body systems, clinical and anatomic pathology, and parasitology. Students also gain hands-on experience in practical clinical intervention, case management, and disease prevention.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (0-6)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	5	5
60	60		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	No	60	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	2.5	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid Units Value:	
		2.5	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		5	

Subject code

VETM

VETM407 - Professional Skills II

Overview

Subject

VETM - Veterinary Medicine

Description

Building on Veterinary Medicine 307, professional skills competencies and knowledge are enhanced with additional focus on small business management skills, relationship-centered practice and self-care. Legal issues regarding veterinary practice are discussed. Research and informatics skills are used to identify knowledge gaps, generate testable hypotheses, and design experiments.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (1.5-1.5)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
9	9		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	18	
30	No		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	1.5	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
Component	Name	Units Value:	
LEC	Lecture	1.5	
Instructor Contact Hours	Workload Hours	Course Count:	
9	9	1	
OEE Workload Hours	Optional Component	Repeat for Credit:	
0	No	No	
Default Section Size	Final Exam Type	Number Of Repeats:	
30	Yes	1	
Provider for Authentication	LMS File Type	Total Units Allowed:	
DESIRE2LEARN	XML	3	
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Subject code			
VETM			

VETM411 - Basic Surgical Principles

Overview

Subject

VETM - Veterinary Medicine

Description

A comprehensive introduction to general veterinary surgery principles across species. Provides students with a foundation in the basic principles of soft tissue and orthopedic surgery that can then be used to develop their hands-on surgical skills.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (33 hours)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
33	33		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	33	
30	Yes		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	1.5	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		1.5	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		1.5	

Subject code

VETM

VETM420 - Health Management

Overview

Subject

VETM - Veterinary Medicine

Description

Building on Veterinary Medicine 344, introduces additional epidemiological concepts used in veterinary medicine. These concepts include appropriate use and choice of diagnostic tests, developing a structured approach for investigating disease outbreaks, exploring strategies and effectiveness for treating and controlling disease, and developing evidence-based protocols.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
18	18		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	18	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	1.5	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid Units Value:	
		1.5	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		1.5	

Subject code

VETM

VETM422 - Virology

Overview

Subject

VETM - Veterinary Medicine

Description

Fundamental knowledge on the nature of viruses and prions are imparted through clinical, cellular and molecular analysis of important diseases of animals and, if inter-transmissible, humans. Students learn to develop diagnostic plans and understand principles of laboratory diagnostic testing. Implementation of intervention measures for viral and prion infections and diseases are discussed.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
9	9		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	9	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	0.75	
Yes	1	Financial Aid Units	
		Financial Aid	
		Units Value:	
		0.75	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		1.5	

Subject code

VETM

VETM423 - Bacteriology

Overview

Subject

VETM - Veterinary Medicine

Description

Introduction to fundamental principles of bacteriology, and bacterial diseases of domestic animals. Provides an understanding of how bacteria interact with the environment and the animal host, and how bacterial virulence mechanisms lead to animal diseases. Diagnosis of bacterial infections, and matching of appropriate preventive and control measures with different pathogens are discussed.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
9	9		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	9	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	0.75	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		0.75	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		1.5	

Subject code

VETM

VETM424 - Parasitology

Overview

Subject

VETM - Veterinary Medicine

Description

Introduction to fundamental principles of parasitism in domestic and wild animals. Emphasis is placed on understanding the occurrence, transmission and impacts of parasites, and diagnosis of parasitic diseases of clinical, trade, and zoonotic importance in North America.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
9	9		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	9	
30	Yes		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	0.75	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		0.75	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		1.5	

Subject code

VETM

VETM425 - Systemic Pathology

Overview

Subject

VETM - Veterinary Medicine

Description

Using a species-specific approach to review common disease conditions. Students identify and describe common gross and microscopic lesions and formulate a morphologic diagnosis. Disease pathogenesis, tissue sampling, sample submission, and the value of ancillary diagnostic testing, and communicating post-mortem findings are emphasized.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
18	18		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	18	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	1.5	
Yes	1	Financial Aid Units	
		Financial Aid	
		Units Value:	
		1.5	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM440 - One Health and Veterinary Practice

Overview

Subject

VETM - Veterinary Medicine

Description

Students will use a One Health approach to explore key issues at the interface of humans, animals and the environment. Students will integrate information, apply critical thinking skills to manage risks and develop prevention and control strategies for zoonoses and antimicrobial resistance; enhance food production, food safety and animal welfare; and protect the environment.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

NOT INCLUDED IN GPA

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (33 hours)

Component	Name	Units	Max Units:
LAB	Laboratory	Units:	1.5
Instructor Contact Hours	Workload Hours	1.5	1.5
33	33	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	33	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	1.5	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		1.5	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		1.5	

Subject code

VETM

VETM442 - Clinical Pathology

Overview

Subject

VETM - Veterinary Medicine

Description

Students develop a systematic approach to the use, evaluation and correct interpretation of routine clinical pathology tests. Integration of laboratory results with the patient's clinical presentation is emphasized. Correct interpretation of routine laboratory tests, communication of results, and appropriate integration of lab tests into decision-making in daily practice are covered.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
9	9		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	9	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	0.75	
Yes	1	Financial Aid Units	
		Financial Aid	
		Units Value:	
		0.75	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		1.5	

Subject code

VETM

VETM443 - Clinical Pharmacology and Toxicology

Overview

Subject

VETM - Veterinary Medicine

Description

Effective and safe use of drugs in veterinary medicine. Basic principles of pharmacology, including mechanisms of action, for the major drug classes. Clinical toxicology principles that apply to common poisonings and adverse drug reactions.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
9	9		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	9	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	0.75	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		0.75	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		1.5	

Subject code

VETM

VETM445 - Diagnostic Imaging

Overview

Subject

VETM - Veterinary Medicine

Description

Introduction to principles and uses of common diagnostic imaging modalities. The theoretical basis behind each imaging technology, the acquisition of quality images, and the ability to interpret and describe normal and abnormal findings are emphasized. Control measures for working safely with diagnostic imaging equipment are examined.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (33 hours)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
33	33		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	33	
30	Yes		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	0.75	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		0.75	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		1.5	

Subject code

VETM

VETM461 - Outbreak Investigation

Overview

Subject

VETM - Veterinary Medicine

Description

Building on Veterinary Medicine 420, students further develop the framework for investigating outbreaks of disease. Students investigate a series of simulated outbreaks, applying steps to determine whether an outbreak exists, establishing a case definition, describing the epidemiology of the disease, generating and testing hypotheses, and communicating their findings.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

NOT INCLUDED IN GPA

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (27 HOURS), WIL Field Placement

Component	Name	Units	Max Units:
LAB	Laboratory	Units:	0.75
Instructor Contact Hours	Workload Hours	0.75	0.75
27	27		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	27	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	0.75	
Yes	1	Financial Aid Units	
		Financial Aid	
		Units Value:	
		0.75	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		0.75	

Subject code

VETM

VETM462 - Foreign Animal Disease

Overview

Subject

VETM - Veterinary Medicine

Description

Students work through a simulation of an incursion of foreign animal disease into Canada. The simulation and background gives students experience working with disease surveillance, case identification, emergency preparedness, and the role of public practice veterinarians in maintaining the safety of Canadian livestock.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (27 HOURS), WIL Field Placement

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	0.75	0.75
27	27		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	27	
30	Yes		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	0.75	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		0.75	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		0.75	

Subject code

VETM

VETM464 - Career Options and Field Experiences in Veterinary Medicine

Overview

Subject

VETM - Veterinary Medicine

Description

Students are exposed to career options in clinical and non-clinical veterinary medicine.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

NOT INCLUDED IN GPA

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (27 Hours), WIL Service Learning

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1	1
27	27		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	27	
30	No		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	1	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid Units Value:	
		1	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		1	

Subject code

VETM

VETM465 - Applied Nutrition

Overview

Subject

VETM - Veterinary Medicine

Description

Core concepts pertaining to nutritional requirements, feeding regimes, and nutritional disorders in production and companion animals are examined. Feeding management of exotic animals is also discussed. Emphasis is placed on practical application of nutritional concepts in production and companion animals.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (33 hours)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
33	33		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	33	
30	Yes		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	0.75	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		0.75	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		1.5	

Subject code

VETM

VETM501 - Clinical Presentations III

Overview

Subject

VETM - Veterinary Medicine

Description

Building on Veterinary Medicine 300 and 400, students continue their development of diagnostic reasoning skills and problem management in veterinary medicine. Students synthesize comprehensive treatment plans that take into account therapeutic approaches, outcomes, feasibility, economics, client expectations, compliance, public health, regulations, and the environment.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	2.75	2.75
16.44	16.44		
		Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	16.44	
30	Yes		
		Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	1.37	
		Financial Aid Units	
Auto Create	Exam Seat Spacing	Financial Aid	
Yes	1	Units Value:	
		1.37	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		2.75	

Subject code

VETM

VETM505 - Clinical Skills III

Overview

Subject

VETM - Veterinary Medicine

Description

Building on Veterinary Medicine 305 and 405, students gain experience in clinical evaluations, routine anaesthesia and surgery. Diagnostic and therapeutic skills, practical clinical intervention, case management, and disease prevention knowledge and skills are further developed.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (0-6)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	7	7
60	60		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
		Value:	
Default Section Size	Final Exam Type	84	
30	Yes		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3.5	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid Units Value:	
		3.5	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		7	

Subject code

VETM

VETM506 - Investigative Veterinary Medicine and Science Communication

Overview

Subject

VETM - Veterinary Medicine

Description

Building on first and second year training in investigative medicine, students will have the opportunity to answer a real-world veterinary question while working under the guidance of faculty mentors. Based on their interests, students will choose from conducting a literature review on a controversial topic in veterinary medicine, analysis and preparation of existing data for publication, or preparation/planning for participation in a fourth year Investigative Medicine rotation. Principles and application of evidence-based medicine, critical thinking and effective communication of science to stakeholder groups will be emphasized.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

NOT INCLUDED IN GPA

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (1.5-1.5)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
4.5	4.5		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	9	
30	No		
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	1.5	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
Component	Name	Units Value:	
LEC	Lecture	1.5	
Instructor Contact Hours	Workload Hours	Course Count:	
4.5	4.5	1	
OEE Workload Hours	Optional Component	Repeat for Credit:	
0	No	No	
Default Section Size	Final Exam Type	Number Of Repeats:	
30	Yes	1	
Provider for Authentication	LMS File Type	Total Units Allowed:	
DESIRE2LEARN	XML	1.5	
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Subject code			
VETM			

VETM508 - Professional Skills III

Overview

Subject

VETM - Veterinary Medicine

Description

Building on Veterinary Medicine 307 and 407, students will develop professional skills necessary for dealing with challenging issues in veterinary medicine. The concept of the healthy veterinarian and self-management will be expanded.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (1.5-1.5), WIL Service Learning

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
4.5	4.5		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	No	9	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	0.75	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
Component	Name	Units Value:	
LEC	Lecture	0.75	
Instructor Contact Hours	Workload Hours	Course Count:	
4.5	4.5	1	
OEE Workload Hours	Optional Component	Repeat for Credit:	
0	No	No	
Default Section Size	Final Exam Type	Number Of Repeats:	
30	Yes	1	
Provider for Authentication	LMS File Type	Total Units Allowed:	
DESIRE2LEARN	XML	1.5	
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Subject code			
VETM			

VETM521 - Equine Medicine and Surgery

Overview

Subject

VETM - Veterinary Medicine

Description

Prepares students for general equine practice by providing the foundational knowledge needed for diagnosing and treating common equine diseases using medical or surgical approaches. Emphasizes the importance of professional conduct in the context of equine practice and promotes life-long continuing education.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	2.5	2.5
15	15		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	15	
30	Yes		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	1.25	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		1.25	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		2.5	

Subject code

VETM

VETM522 - Small Animal Medicine and Surgery

Overview

Subject

VETM - Veterinary Medicine

Description

Prepares students for small animal practice by providing the foundational knowledge needed for diagnosing and treating common diseases in cats and dogs using medical or surgical approaches. Promotes practices that comply with animal welfare professional conduct.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	2.5	2.5
15	15		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	15	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	1.25	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid Units Value:	
		1.25	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		2.5	

Subject code

VETM

VETM523 - Anesthesiology and Therapeutics

Overview

Subject

VETM - Veterinary Medicine

Description

Introduction to the principals and practice of veterinary anaesthesiology and therapeutics in production, companion and exotic animals, and the practical application of clinical pharmacology. Focus on local and general anaesthesia for low risk animals and on therapeutic decisions, drug selection, and drug delivery.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
18	18		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	18	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	1.5	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		1.5	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		1.5	

Subject code

VETM

VETM525 - Advanced Health Management

Overview

Subject

VETM - Veterinary Medicine

Description

Provides an overview of diagnosing, managing, and preventing common disorders that occur at a population level. Emphasis is placed upon application of evidence-based medicine to make a herd diagnosis and control, and prevent the problem. Health programs and animal welfare assessment for production and companion animals are explored.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	2	2
12	12		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	12	
30	Yes		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	1	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid Units Value:	
		1	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		2	

Subject code

VETM

VETM530 - Selected Topics in Clinical Medicine

Overview

Subject

VETM - Veterinary Medicine

Description

Prepares students for clinical practice by providing the foundational knowledge needed for diagnosing and treating oncologic, ophthalmic and dermatological diseases in production and companion animals.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	0.75	0.75
9	9		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	9	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	0.75	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		0.75	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		0.75	

Subject code

VETM

VETM531 - Sel Topics Small Ruminant, South American Camelid & Non-trad Livestock Prod

Overview

Subject

VETM - Veterinary Medicine

Description

Selected medical, surgical and reproductive diseases of small ruminants, South American camelids and non-traditional livestock.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	0.75	0.75
9	9		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	9	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	0.75	
Yes	1	Financial Aid Units	
		Financial Aid	
		Units Value:	
		0.75	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		0.75	

Subject code

VETM

VETM540 - Food Animal Medicine and Surgery

Overview

Subject

VETM - Veterinary Medicine

Description

Prepares students for general food animal practice by providing the foundational knowledge needed for diagnosing, treating and preventing common diseases using medical or surgical approaches. Promotes practices that comply with animal welfare and professional conduct.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	Max Units:
LEC	Lecture	Units:	2
Instructor Contact Hours	Workload Hours	2	2
24	24	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	24	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	2	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		2	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		2	

Subject code

VETM

VETM541 - Theriogenology

Overview

Subject

VETM - Veterinary Medicine

Description

Provides knowledge and skills to develop clinical competence in managing the reproductive health of production and companion animals. Students integrate knowledge from various disciplines to diagnose and manage clinical issues pertaining to the reproductive health of animals on an individual animal or herd basis.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
18	18		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	18	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	1.5	
Yes	1	Financial Aid Units	
		Financial Aid	
		Units Value:	
		1.5	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		1.5	

Subject code

VETM

VETM542 - Emergency and Critical Care

Overview

Subject

VETM - Veterinary Medicine

Description

Veterinary emergency and critical care, with emphasis on how to recognize and implement therapy in the unstable patient.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	0.75	0.75

9	9	Contact Hours
OEE Workload Hours	Optional Component	Contact Hours
0	No	Value:
Default Section Size	Final Exam Type	9
30	Yes	

Provider for Authentication	LMS File Type	Academic Progress Units
DESIRE2LEARN	XML	Academic
Include in Dynamic Date Calc	Generate Attendance	Progress Units
No	No	Value:
		0.75

Auto Create	Exam Seat Spacing	Financial Aid Units
Yes	1	Financial Aid
		Units Value:
		0.75
		Course Count:
		1
		Repeat for Credit:
		No
		Number Of Repeats:
		1
		Total Units Allowed:
		0.75

Subject code

VETM

VETM550 - Zoological Medicine

Overview

Subject

VETM - Veterinary Medicine

Description

Provides the foundational knowledge needed for diagnosing, treating and preventing common diseases in non-traditional companion animal and wildlife species.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	0.75	0.75

9

OEE Workload Hours	Optional Component
0	No

Default Section Size	Final Exam Type
30	Yes

Provider for Authentication	LMS File Type
DESIRE2LEARN	XML

Include in Dynamic Date Calc	Generate Attendance
No	No

Auto Create	Exam Seat Spacing
Yes	1

Contact Hours

Contact Hours

Value:

9

Academic Progress Units

Academic

Progress Units

Value:

0.75

Financial Aid Units

Financial Aid

Units Value:

0.75

Course Count:

1

Repeat for Credit:

No

Number Of Repeats:

1

Total Units Allowed:

0.75

Subject code

VETM

VETM551 - Laboratory Animal Medicine

Overview

Subject

VETM - Veterinary Medicine

Description

Provides an introduction to laboratory animal medicine and disease, roles of the laboratory animal veterinarian and animal care committees, and the involvement of animals in research and teaching.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	0.75	0.75
9	9		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	9	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	0.75	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		0.75	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		0.75	

Subject code

VETM

VETM571 - Veterinary Diagnostics and Therapeutics

Overview

Subject

VETM - Veterinary Medicine

Description

Required for entering general veterinary practice. Students must successfully complete rotations in laboratory diagnostics, pathology, diagnostic imaging and other disciplines.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (4-8 wks), WIL Mandatory Clinical Placement

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	10	10
320	320		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	320	
30	No		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	5	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		5	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		10	

Subject code

VETM

VETM581 - General Veterinary Practice

Overview

Subject

VETM - Veterinary Medicine

Description

Required for entering general veterinary practice. Students must successfully complete clinical rotations in general veterinary practice at sites located within the Distributed Veterinary Teaching Hospital.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (12 Weeks), WIL Mandatory Clinical Placement

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	15	15
480	480		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	480	
30	Yes		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	7.5	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		7.5	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		15	

Subject code

VETM

VETM591 - Clinical Enrichment

Overview

Subject

VETM - Veterinary Medicine

Description

Students choose elective rotations from a range of practicum experiences in veterinary medicine in order to expand or deepen their knowledge and skills.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (18-24 wks), WIL Mandatory Clinical Placement

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	15	15
960	960		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	960	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	7.5	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		7.5	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		15	

Subject code

VETM

VETM601 - Professional Skills in Health Science Research

Overview

Subject

VETM - Veterinary Medicine

Description

Includes a series of workshops focusing on skills essential for success in health science research. Topics include: Research Integrity; Ethics; Grants and Grant Writing; Verbal and Written Communication of Research Findings; Career Development; and Career Options in the Health Sciences.

Prerequisite(s): Consent of the Faculty.

NOT INCLUDED IN GPA

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3-0)

Component	Name	Units	Max Units:
LEC	Lecture	Units:	3
Instructor Contact Hours	Workload Hours	3	3
18	18	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	18	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	1.5	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		1.5	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM602 - Wildlife Health and Disease Ecology

Overview

Subject

VETM - Veterinary Medicine

Description

Ecological, epidemiological, and evolutionary principles needed to understand the determinants of health and diseases on wildlife populations, and their link to global changes, agriculture, public health, and conservation. Fundamental concepts in epidemiology and disease ecology will be presented as well as contemporary emerging issues in disease ecology. Using 'case studies', lectures, discussions, examples, and activities, material will cover the etiology, pathology, and impact of a wide variety of wildlife diseases. The course will also cover the principles underlying a shift from disease-centered to health-centered approaches, and concepts of wildlife health ecology and management will be explored.

Notes: This course is suitable for any graduate student with an undergraduate degree in biology or veterinary sciences.

Also known as: (formerly Veterinary Medicine 690.44 Wildlife Health and Disease Ecology)

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
36	36	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	36	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM604 - Experiential Learning in Wildlife Health Ecology

Overview

Subject

VETM - Veterinary Medicine

Description

Experiential learning or research experience tailored to the unique goals or career path of the student. Involvement with the Distributed Wildlife Learning Community (DWLC) to broaden, extend, and deepen learning by integrating wildlife health ecology theory with practical application of knowledge.

Prerequisite(s): Admission to the Master's program in Veterinary Medical Sciences with a Specialization in Wildlife Health and Ecology.

Antirequisite(s): Credit for Veterinary Medicine 604 and 690.44 (Wildlife Health and Disease Ecology) will not be allowed.

NOT INCLUDED IN GPA

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (140 HOURS)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
140	140		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	140	
30	Yes		
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM605 - (MDCH605)Intro Biostat Methods

Overview

Subject

VETM - Veterinary Medicine

Description

Analysis and design of research related to biological sciences. Emphasis is placed upon formulating good research questions, evaluating the appropriateness of different statistical methods for analyzing results, and performing and interpreting such statistical analyses. Statistical analyses will be carried out using modern statistical software.

Prerequisite(s): Consent of the Cumming School of Medicine.

Also known as: (Veterinary Medicine 605)

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3-1T)

Component	Name	Units	Max Units:
LEC	Lecture	Units:	3
Instructor Contact Hours	Workload Hours	3	3
36	36	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	48	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
Component	Name	Units Value:	
TUT	Tutorial	3	
Instructor Contact Hours	Workload Hours	Course Count:	
12	12	1	
OEE Workload Hours	Optional Component	Repeat for Credit:	
0	No	No	
Default Section Size	Final Exam Type	Number Of Repeats:	
30	No	1	
Provider for Authentication	LMS File Type	Total Units Allowed:	
DESIRE2LEARN	XML	3	
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Subject code			
VETM			

VETM606 - Seminar in Wildlife Health and Ecology I

Overview

Subject

VETM - Veterinary Medicine

Description

Exposure to a variety of Wildlife Health Ecology (WHE) research topics, projects, and activities. Students will develop their presentation skills by presenting on their research and expanding their critical thinking through discussions of WHE topics presented at seminars or research meetings.

Prerequisite(s): Admission to the Master's program in Veterinary Medical Sciences with a Specialization in Wildlife Health and Ecology.

NOT INCLUDED IN GPA

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (1.5S-0)

Component	Name	Units	Max Units:
SEM	Seminar	Units:	3
Instructor Contact Hours	Workload Hours	3	3
18	18	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	18	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM607 - Seminar in Wildlife Health and Ecology II

Overview

Subject

VETM - Veterinary Medicine

Description

Exposure to a variety of Wildlife Health Ecology (WHE) research topics, projects, and activities. Students will develop their presentation skills by presenting on their research and expanding their critical thinking through discussions of WHE topics presented at seminars or research meetings.

Prerequisite(s): Veterinary Medicine 606 and admission to the Master's program in Veterinary Medical Sciences with a Specialization in Wildlife Health and Ecology.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (1.5S-0)

Component	Name	Units	
SEM	Seminar	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
18	18	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	18	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM610 - (MDCH610)Biostatistics I: Essentials of Biostatistics

Overview

Subject

VETM - Veterinary Medicine

Description

Introduces the fundamental concepts of summarizing data and statistical inference, including graphical displays, hypothesis testing, p-values, and confidence intervals. Specific topics include comparisons of means and proportions, non-parametric tests, correlation and regression, confounding, sample size determination, and power calculations. Additional topics include a brief introduction to analysis of variance and covariance, logistic regression, and analysis of time-to-event data. Students gain hands-on experience analysing data using STATA statistical software. Although this course uses STATA exclusively, much of the technical knowledge and some of the computing techniques are applicable to any statistical package.

Prerequisite(s): Admission to the Veterinary Medical Sciences graduate program.

Also known as: (Community Health Sciences 610)

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3-2T)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
36	36		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	60	
30	Yes		
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
Component	Name	Units Value:	
TUT	Tutorial	3	
Instructor Contact Hours	Workload Hours	Course Count:	
24	24	1	
OEE Workload Hours	Optional Component	Repeat for Credit:	
0	No	No	
Default Section Size	Final Exam Type	Number Of Repeats:	
30	No	1	
Provider for Authentication	LMS File Type	Total Units Allowed:	
DESIRE2LEARN	XML	3	
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Subject code			
VETM			

VETM611 - (MDCH611)Biostatistics II: Models for Health Outcomes

Overview

Subject

VETM - Veterinary Medicine

Description

Extends the fundamental concepts to modelling health outcomes using modern regression analysis techniques. Logistic and linear regressions, and their extensions, are covered in detail. The rationale, formulation, and statistical assumptions underlying each regression technique are discussed. Methods for selecting and assessing models are included. Additional topics include a brief introduction to models used in the analysis of repeated measures, longitudinal studies, and time-to-event data.

Prerequisite(s): Veterinary Medical Sciences 610.

Also known as: (Community Health Sciences 611)

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3-2T)

Component	Name	Units	Max Units:
LEC	Lecture	Units:	3
Instructor Contact Hours	Workload Hours	3	3
36	36	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	60	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
Component	Name	Units Value:	
TUT	Tutorial	3	
Instructor Contact Hours	Workload Hours	Course Count:	
24	24	1	
OEE Workload Hours	Optional Component	Repeat for Credit:	
0	No	No	
Default Section Size	Final Exam Type	Number Of Repeats:	
30	No	1	
Provider for Authentication	LMS File Type	Total Units Allowed:	
DESIRE2LEARN	XML	3	
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Subject code			
VETM			

VETM612 - Animal Health Policy

Overview

Subject

VETM - Veterinary Medicine

Description

Develop student's ability to apply principles of quantitative analysis and policy to guided analysis of production animal health policy as well as development of a research project proposal in animal health policy. The proposal will include: formulation of hypothesis and testable policy research questions; consideration of policy research methods; basic experimental design incorporating appropriate (e.g., epidemiology, economic) analysis; and outline for policy analysis of results.

Prerequisite(s): 3 units in statistics, epidemiology, or related subject, and consent of the instructor.

Also known as: (formerly Veterinary Medicine 690.03 Animal Health Policy)

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
36	36		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
		Value:	
Default Section Size	Final Exam Type	36	
30	Yes		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
		Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM640 - (MDCH640)Fundamentals of Epidemiology

Overview

Subject

VETM - Veterinary Medicine

Description

Principles and methods of descriptive and analytic epidemiology. Emphasizes the underlying concepts and approaches of epidemiological research and critical appraisal of epidemiologic studies including: observational study designs and their vulnerabilities to bias, measures of frequency and association, basic methods for addressing sampling variability, confounding, and effect modification. Concepts related to causal judgment in epidemiology are also introduced.

Prerequisite(s): Admission to the Veterinary Medical Sciences graduate program or consent of the Faculty.

Corequisite(s): Veterinary Medicine 610.

Notes: Not available to Open Studies students.

Also known as: (Community Health Sciences 640)

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3-2T)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
36	36		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	60	
30	Yes		
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
No	1	Financial Aid	
Component	Name	Units Value:	
TUT	Tutorial	3	
Instructor Contact Hours	Workload Hours	Course Count:	
24	24	1	
OEE Workload Hours	Optional Component	Repeat for Credit:	
0	No	No	
Default Section Size	Final Exam Type	Number Of Repeats:	
30	No	1	
Provider for Authentication	LMS File Type	Total Units Allowed:	
DESIRE2LEARN	XML	3	
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Subject code			
VETM			

VETM650 - Advanced Virology

Overview

Subject

VETM - Veterinary Medicine

Description

A series of lectures and discussions about current topics in virology. The lectures will be delivered by researchers working on aspects of molecular virology, virus-host interactions, and clinical virology, both from the veterinary and human field. One theme will be discussed during each session and students are expected to prepare presentations about virological topics and participate in the critical evaluation of journal articles.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3/2-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
18	18		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	18	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	3	
Yes	1	Financial Aid Units	
		Financial Aid	
		Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM651 - Molecular Epidemiology and Evolution

Overview

Subject

VETM - Veterinary Medicine

Description

Introduction to the evaluation of sequence data of bacteria, parasites, and viruses. Students will obtain background knowledge on the evolution of pathogens, the generation of sequence data, the evaluation of this data and directions for further study in this field. The course is a combination of lectures/workshops, self-study exercises, computer practices, and critical evaluation of research papers.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3/2-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
18	18		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	18	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	3	
Yes	1	Financial Aid Units	
		Financial Aid	
		Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM690 - Directed Study

Overview

Subject

VETM - Veterinary Medicine

Description

Lectures, seminars, term papers and/or other training directed to one or only a few students in theoretical and/or laboratory methods at the advanced level in veterinary medical sciences. These courses are offered when no other suitable alternatives are available.

Prerequisite(s): Consent of the Faculty.

Notes: An approval form may be obtained from the Office of Research and Graduate Education, and must be signed by the VMS Graduate Program Director before a student can register.

MAY BE REPEATED FOR CREDIT

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
18	18		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	18	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	1.5	
Yes	1	Financial Aid Units	
		Financial Aid	
		Units Value:	
		1.5	
		Course Count:	
		1	
		Repeat for Credit:	
		Yes	
		Number Of Repeats:	
		99	
		Total Units Allowed:	
		999	

Subject code

VETM

VETM701 - Advanced Topics in Reproductive Health

Overview

Subject

VETM - Veterinary Medicine

Description

A series of topics, ranging from basic sciences to clinical topics (including ethical issues) to increase awareness and comprehension regarding current issues in reproductive health.

Prerequisite(s): Consent of course co-ordinator and student's supervisor, if applicable.

Notes: Research interest in reproductive health/reproductive biology.

Also known as: (Medical Science 701)

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3-0)

Component	Name	Units	Max Units:
LEC	Lecture	Units:	3
Instructor Contact Hours	Workload Hours	3	3
36	36	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	36	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM702 - Advanced Topics in Stem Cell Biology and Regenerative Medicine

Overview

Subject

VETM - Veterinary Medicine

Description

Provides a comprehensive overview of stem cell biology in the context of embryonic development and adult tissue maintenance. Students will gain an appreciation for embryonic versus adult stem cells and how these pluripotent or multipotent cells may be utilized in regenerative medicine (i.e. treatment of congenital defects, diseases or injury).

Prerequisite(s): Admission to the VMS graduate program or consent of the instructor.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
36	36		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	36	
30	Yes		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	3	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM704 - Experiential Learning in Veterinary Medical Sciences

Overview

Subject

VETM - Veterinary Medicine

Description

Experiential learning or research experience tailored to the unique goals or career path of the student. Involvement with the Distributed Wildlife Learning Community (DWLC) to broaden, extend, and deepen learning by integrating wildlife health ecology theory with practical application of knowledge.

Prerequisite(s): Admission to the Doctoral program in Veterinary Medical Sciences with a Specialization in Wildlife Health and Ecology.

NOT INCLUDED IN GPA

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (140 HOURS)

Component	Name	Units	Max Units:
LAB	Laboratory	Units:	3
Instructor Contact Hours	Workload Hours	3	3
140	140		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
		Value:	
Default Section Size	Final Exam Type	140	
30	Yes		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
		Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM706 - Seminar in Wildlife Health and Ecology III

Overview

Subject

VETM - Veterinary Medicine

Description

Exposure to a variety of Wildlife Health Ecology (WHE) research topics, projects, and activities. Students will develop their presentation skills by presenting on their research and expanding their critical thinking through discussions of WHE topics presented at seminars or research meetings.

Prerequisite(s): Admission to the Doctoral program in Veterinary Medical Sciences with a Specialization in Wildlife Health and Ecology.

NOT INCLUDED IN GPA

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (1.5S-0)

Component	Name	Units	Max Units:
SEM	Seminar	Units:	3
Instructor Contact Hours	Workload Hours	3	3
18	18	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	18	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM707 - Seminar in Wildlife Health and Ecology IV

Overview

Subject

VETM - Veterinary Medicine

Description

Exposure to a variety of Wildlife Health Ecology (WHE) research topics, projects, and activities. Students will develop their presentation skills by presenting on their research and expanding their critical thinking through discussions of WHE topics presented at seminars or research meetings.

Prerequisite(s): Veterinary Medicine 706 and admission to the Doctoral program in Veterinary Medical Sciences with a Specialization in Wildlife Health and Ecology.

NOT INCLUDED IN GPA

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (1.5S-0)

Component	Name	Units	Max Units:
SEM	Seminar	Units:	3
Instructor Contact Hours	Workload Hours	3	3
18	18	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	18	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM721 - Wildlife Parasitology: Principles and Techniques

Overview

Subject

VETM - Veterinary Medicine

Description

Students will learn about the ecology of parasites in wildlife populations with emphasis on impacts of parasitism, invasive species, and conservation issues. This is taught through a series of seminars, critical evaluation and discussion of the literature, and independent and group projects. Laboratory sessions include on parasitology techniques for surveillance and research.

Prerequisite(s): Consent of the instructor.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3-0)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
36	36		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	36	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VETM

VETM740 - (MDCH740)Advanced Epidemiology

Overview

Subject

VETM - Veterinary Medicine

Description

An expansion on the understanding of causality and threats to validity in epidemiologic research. The focus will be on the assessment and control of bias, including selection, information and confounding. The concept of effect modification (interaction) will be appraised. Stratified analysis will be considered as a tool for the assessment and control of confounding and effect modification and will be applied to a variety of study designs including case-control, and cohort studies.

Prerequisite(s): Veterinary Medical Sciences 640 or consent of the Faculty.

Also known as: (Community Health Sciences 740)

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -B, GFC Hours (3-2T)

Component	Name	Units	Max Units:
LEC	Lecture	Units:	3
Instructor Contact Hours	Workload Hours	3	3
36	36	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	60	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
Component	Name	Units Value:	
TUT	Tutorial	3	
Instructor Contact Hours	Workload Hours	Course Count:	
24	24	1	
OEE Workload Hours	Optional Component	Repeat for Credit:	
0	No	No	
Default Section Size	Final Exam Type	Number Of Repeats:	
30	No	1	
Provider for Authentication	LMS File Type	Total Units Allowed:	
DESIRE2LEARN	XML	3	
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Subject code			
VETM			

VTMD200 - Introduction to Veterinary Medicine

Overview

Description

An introduction to the veterinary medicine program. A primer for the safe handling of multispecies animals and a basic overview of the breadth of the veterinary profession.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Note: Offered during Block Week

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (28 HOURS)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
28	28		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	28	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VTMD

VTMD202 - Professional Identity Formation I

Overview

Description

Explores the basic skills fundamental to a successful career in veterinary medicine. Topics will include leadership of self, working effectively in teams, ethics, role of research in veterinary medicine, veterinary informatics, new technology, introduction to financial concepts, and professional communication

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (1-3-2T)

Component	Name	Units
LAB	Laboratory	

UCalgary

LEC

Instructor Contact Hours
36

OEE Workload Hours
0

Default Section Size
1

Provider for Authentication
DESIRE2LEARN

Include in Dynamic Date Calc
No

Auto Create
Yes

Component
LEC

Instructor Contact Hours
12

OEE Workload Hours
0

Default Section Size
30

Provider for Authentication
DESIRE2LEARN

Include in Dynamic Date Calc
No

Auto Create
Yes

Component
TUT

Instructor Contact Hours
24

OEE Workload Hours
0

Default Section Size
1

Provider for Authentication
DESIRE2LEARN

Include in Dynamic Date Calc
No

Auto Create
Yes

Subject code
VTMD

Laboratory

Workload Hours
36

Optional Component
No

Final Exam Type
No

LMS File Type
XML

Generate Attendance
No

Exam Seat Spacing
1

Name
Lecture

Workload Hours
12

Optional Component
No

Final Exam Type
Yes

LMS File Type
XML

Generate Attendance
No

Exam Seat Spacing
1

Name
Tutorial

Workload Hours
24

Optional Component
No

Final Exam Type
No

LMS File Type
XML

Generate Attendance
No

Exam Seat Spacing
1

Units:
3

Max Units:
3

Contact Hours

Contact Hours
Value:
72

Academic Progress Units

Academic
Progress Units
Value:
3

Financial Aid Units

Financial Aid
Units Value:
3
Course Count:
1
Repeat for Credit:
No
Number Of Repeats:
1
Total Units Allowed:
3

VTMD204 - Exploring Veterinary Medicine I

Overview

Description

Introduces key skills and knowledge including basic surgical principles, biosecurity, husbandry, normal animal behaviour, and

UCalgary

general animal handling and restraint.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Note: Portions may be taught off-site at Olds College in collaboration with the AHT program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (1.5-1.5T-3)

Component	Name	Units	Max Units:
LAB	Laboratory	Units:	3
Instructor Contact Hours	Workload Hours	3	3
36	36	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	72	
1	No	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
Component	Name	Units Value:	
LEC	Lecture	3	
Instructor Contact Hours	Workload Hours	Course Count:	
18	18	1	
OEE Workload Hours	Optional Component	Repeat for Credit:	
0	No	No	
Default Section Size	Final Exam Type	Number Of Repeats:	
30	Yes	1	
Provider for Authentication	LMS File Type	Total Units Allowed:	
DESIRE2LEARN	XML	3	
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Component	Name		
TUT	Tutorial		
Instructor Contact Hours	Workload Hours		
18	18		
OEE Workload Hours	Optional Component		
0	No		
Default Section Size	Final Exam Type		
1	No		
Provider for Authentication	LMS File Type		
DESIRE2LEARN	XML		
Include in Dynamic Date Calc	Generate Attendance		
No	No		

UCalgary

Auto Create	Exam Seat Spacing
Yes	1
Subject code	
VTMD	

VTMD206 - Healthy Animals I

Overview

Description

The basics of nomenclature, anatomy, physiology, clinical skills, clinical presentations, and diagnostic imaging for normal, healthy animals. Modules cover integument, musculoskeletal, neurology, respiratory, cardiovascular, and lymphatic systems.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (4-6-4T)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	6	6
144	0		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
1	No	336	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	6	
Yes	1	Financial Aid Units	
Component	Name	Financial Aid	
LEC	Lecture	Units Value:	
Instructor Contact Hours	Workload Hours	6	
96	96	Course Count:	
OEE Workload Hours	Optional Component	1	
0	No	Repeat for Credit:	
Default Section Size	Final Exam Type	No	
30	Yes	Number Of Repeats:	
Provider for Authentication	LMS File Type	1	
DESIRE2LEARN	XML	Total Units Allowed:	
Include in Dynamic Date Calc	Generate Attendance	6	
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Component	Name		
TUT	Tutorial		
Instructor Contact Hours	Workload Hours		
96	96		
OEE Workload Hours	Optional Component		
0	No		

UCalgary

Default Section Size	Final Exam Type
1	No
Provider for Authentication	LMS File Type
DESIRE2LEARN	XML
Include in Dynamic Date Calc	Generate Attendance
No	No
Auto Create	Exam Seat Spacing
Yes	1
Subject code	
VTMD	

VTMD211 - Practical Work Experience I

Overview

Description

Students spend a week in a veterinary work setting allowing students to dive deeper into regulatory and industry, research, clinical practice, or food production.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Note: Offered during Block Week

Course Attributes

GFC Hours (28 HOURS), Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, WIL Mandatory Clinical Placement

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
28	28		
OEE Workload Hours	Optional Component		
0	No		
Default Section Size	Final Exam Type		
30	Yes		
Provider for Authentication	LMS File Type		
DESIRE2LEARN	XML		
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		

Contact Hours

Contact Hours

Value:

28

Academic Progress Units

Academic

Progress Units

Value:

3

Financial Aid Units

Financial Aid

Units Value:

3

Course Count:

1

Repeat for Credit:

No

Number Of Repeats:

1

Total Units Allowed:

3

Subject code

VTMD

VTMD213 - Animals As Populations

Overview

Description

More basic universal skills that are fundamental to success as a veterinarian. Covers nutrition, foundations of population health, epidemiology, and the basics of health management.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(International) - A, Fee Rate Group(Domestic) - A, GFC Hours

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
18	18		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
1	No	72	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	3	
Yes	1	Financial Aid Units	
Component	Name	Financial Aid	
LEC	Lecture	Units Value:	
Instructor Contact Hours	Workload Hours	3	
36	36	Course Count:	
OEE Workload Hours	Optional Component	1	
0	No	Repeat for Credit:	
Default Section Size	Final Exam Type	No	
30	Yes	Number Of Repeats:	
Provider for Authentication	LMS File Type	1	
DESIRE2LEARN	XML	Total Units Allowed:	
Include in Dynamic Date Calc	Generate Attendance	3	
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Component	Name		
TUT	Tutorial		
Instructor Contact Hours	Workload Hours		
18	18		
OEE Workload Hours	Optional Component		
0	No		
Default Section Size	Final Exam Type		
1	No		
Provider for Authentication	LMS File Type		
DESIRE2LEARN	XML		

UCalgary

Include in Dynamic Date Calc	Generate Attendance
No	No
Auto Create	Exam Seat Spacing
Yes	1
Subject code	
VTMD	

VTMD215 - What Is A Veterinarian

Overview

Description

An exploration of what it means to be a veterinarian. The scope of practice, the value of the profession, and a veterinarian's role in contributing to the health and well-being of society, including One Health and animal welfare.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-1.5T)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
36	36		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	54	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	3	
Yes	1	Financial Aid Units	
Component	Name	Financial Aid	
TUT	Tutorial	Units Value:	
Instructor Contact Hours	Workload Hours	3	
18	18	Course Count:	
OEE Workload Hours	Optional Component	1	
0	No	Repeat for Credit:	
Default Section Size	Final Exam Type	No	
1	No	Number Of Repeats:	
Provider for Authentication	LMS File Type	1	
DESIRE2LEARN	XML	Total Units Allowed:	
Include in Dynamic Date Calc	Generate Attendance	3	
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Subject code			
VTMD			

VTMD217 - Healthy Animals II

Overview

UCalgary

Description

The nomenclature, anatomy, physiology, clinical skills, clinical presentations, and diagnostic imaging for normal, healthy animals. Modules cover the head, oral cavity, gastrointestinal system, endocrine system, urinary system, reproductive system, fetal, special senses, and alternative species.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (4-6-4T)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	6	6
144	144		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
1	No	336	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	6	
Yes	1	Financial Aid Units	
Component	Name	Financial Aid	
LEC	Lecture	Units Value:	
Instructor Contact Hours	Workload Hours	6	
96	96	Course Count:	
OEE Workload Hours	Optional Component	1	
0	No	Repeat for Credit:	
Default Section Size	Final Exam Type	No	
30	Yes	Number Of Repeats:	
Provider for Authentication	LMS File Type	1	
DESIRE2LEARN	XML	Total Units Allowed:	
Include in Dynamic Date Calc	Generate Attendance	6	
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Component	Name		
TUT	Tutorial		
Instructor Contact Hours	Workload Hours		
96	96		
OEE Workload Hours	Optional Component		
0	No		
Default Section Size	Final Exam Type		
1	No		
Provider for Authentication	LMS File Type		
DESIRE2LEARN	XML		
Include in Dynamic Date Calc	Generate Attendance		
No	No		

Auto Create
Yes

Exam Seat Spacing
1

Subject code
VTMD

VTMD302 - Professional Identity Formation II

Overview

Description

Expands on communication skills and explores wellness concepts, including conflict management, resolution, and leadership skills. It also integrates interprofessional learning, including the integration into a team of health professionals and collaborative problem-solving.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 202.

Note: May include off site learning.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (2-6-1.5T)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	6	6
144	144		

OEE Workload Hours	Optional Component	Contact Hours
0	No	Contact Hours
		Value:
Default Section Size	Final Exam Type	228
1	No	

Provider for Authentication	LMS File Type	Academic Progress Units
DESIRE2LEARN	XML	Academic
Include in Dynamic Date Calc	Generate Attendance	Progress Units
No	No	Value:
		6

Auto Create	Exam Seat Spacing	Financial Aid Units
Yes	1	Financial Aid
Component	Name	Units Value:
LEC	Lecture	6

Instructor Contact Hours	Workload Hours	Course Count:
48	48	1
OEE Workload Hours	Optional Component	Repeat for Credit:
0	No	No
Default Section Size	Final Exam Type	Number Of Repeats:
30	Yes	1
Provider for Authentication	LMS File Type	Total Units Allowed:
DESIRE2LEARN	XML	6

Include in Dynamic Date Calc	Generate Attendance
No	No
Auto Create	Exam Seat Spacing
Yes	1
Component	Name
TUT	Tutorial

UCalgary

Instructor Contact Hours 36	Workload Hours 36
OEE Workload Hours 0	Optional Component No
Default Section Size 1	Final Exam Type No
Provider for Authentication DESIRE2LEARN	LMS File Type XML
Include in Dynamic Date Calc No	Generate Attendance No
Auto Create Yes	Exam Seat Spacing 1
Subject code VTMD	

VTMD304 - Science of What Goes Wrong I

Overview

Description

Pathologic basis of disease, pharmacology, toxicology, and oncology. An introduction to the basic disease mechanisms, basics of pharmaco/ toxico-kinetics, basic mechanisms of action of pharmaceuticals, and the derangement of homeostasis.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 206 and 217.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (4-1.5-2T)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours 18	Workload Hours 18	3	3
OEE Workload Hours 0	Optional Component No	Contact Hours Contact Hours Value:	
Default Section Size 1	Final Exam Type Yes	90	
Provider for Authentication DESIRE2LEARN	LMS File Type XML	Academic Progress Units Academic Progress Units Value:	
Include in Dynamic Date Calc No	Generate Attendance No	3	
Auto Create Yes	Exam Seat Spacing 1	Financial Aid Units Financial Aid Units Value:	
Component LEC	Name Lecture	3	
Instructor Contact Hours 48	Workload Hours 48	Course Count: 1	
OEE Workload Hours 0	Optional Component No	Repeat for Credit: No	
Default Section Size 30	Final Exam Type Yes	Number Of Repeats: 1	
Provider for Authentication DESIRE2LEARN	LMS File Type XML	Total Units Allowed: 3	

UCalgary

Include in Dynamic Date Calc	Generate Attendance
No	No
Auto Create	Exam Seat Spacing
Yes	1
Component	Name
TUT	Tutorial
Instructor Contact Hours	Workload Hours
24	24
OEE Workload Hours	Optional Component
0	No
Default Section Size	Final Exam Type
1	No
Provider for Authentication	LMS File Type
DESIRE2LEARN	XML
Include in Dynamic Date Calc	Generate Attendance
No	No
Auto Create	Exam Seat Spacing
Yes	1
Subject code	
VTMD	

VTMD306 - Science of What Goes Wrong II

Overview

Description

Basic systemic pathology, bacteriology, virology, parasitology, and mycology. Organ reactions to infection, basic organ dysfunction, basics of host-pathogen interactions, and mechanisms of disease spread.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 206 and 217.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (4-1.5-2T)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
18	18		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
1	No	90	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	3	
Yes	1	Financial Aid Units	
Component	Name	Financial Aid	
LEC	Lecture	Units Value:	
Instructor Contact Hours	Workload Hours	3	
48	48	Course Count:	
		1	

UCalgary

OEE Workload Hours 0	Optional Component No	Repeat for Credit: No
Default Section Size 30	Final Exam Type Yes	Number Of Repeats: 1
Provider for Authentication DESIRE2LEARN	LMS File Type XML	Total Units Allowed: 3
Include in Dynamic Date Calc No	Generate Attendance No	
Auto Create Yes	Exam Seat Spacing 1	
Component TUT	Name Tutorial	
Instructor Contact Hours 24	Workload Hours 24	
OEE Workload Hours 0	Optional Component No	
Default Section Size 1	Final Exam Type No	
Provider for Authentication DESIRE2LEARN	LMS File Type XML	
Include in Dynamic Date Calc No	Generate Attendance No	
Auto Create Yes	Exam Seat Spacing 1	
Subject code VTMD		

VTMD308 - Fundamentals of Diagnosis, Management and Treatment

Overview

Description

Integrates relevant physiology, anatomy, pharmacology, anesthesiology, clinical pathology, anatomic pathology, and analgesia to explore reasons and methods for collecting and recording diagnostic information. Basic tenets of population management and individual treatment plans.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 206 and 217.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (3-1.5T-1.5), GFC Hours

Component	Name	Units	
LAB	Laboratory	Units: 3	Max Units: 3
Instructor Contact Hours 18	Workload Hours 18	Contact Hours	
OEE Workload Hours 0	Optional Component No	Contact Hours Value:	
Default Section Size 1	Final Exam Type No	72	
Provider for Authentication DESIRE2LEARN	LMS File Type XML	Academic Progress Units	

UCalgary

Include in Dynamic Date Calc	Generate Attendance	Academic
No	No	Progress Units
Auto Create	Exam Seat Spacing	Value:
Yes	1	3
Component	Name	Financial Aid Units
LEC	Lecture	Financial Aid
Instructor Contact Hours	Workload Hours	Units Value:
36	36	3
OEE Workload Hours	Optional Component	Course Count:
0	No	1
Default Section Size	Final Exam Type	Repeat for Credit:
30	Yes	No
Provider for Authentication	LMS File Type	Number Of Repeats:
DESIRE2LEARN	XML	1
Include in Dynamic Date Calc	Generate Attendance	Total Units Allowed:
No	No	3
Auto Create	Exam Seat Spacing	
Yes	1	
Component	Name	
TUT	Tutorial	
Instructor Contact Hours	Workload Hours	
18	18	
OEE Workload Hours	Optional Component	
0	No	
Default Section Size	Final Exam Type	
1	No	
Provider for Authentication	LMS File Type	
DESIRE2LEARN	XML	
Include in Dynamic Date Calc	Generate Attendance	
No	No	
Auto Create	Exam Seat Spacing	
Yes	1	
Subject code		
VTMD		

VTMD311 - Practical Work Experience II

Overview

Description

Students spend a week in a veterinary work setting allowing a deeper dive into regulatory and industry, research, clinical practice, or food production.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and completion of 30 units of Veterinary Medicine at the 200 level.

Note: Offered during Block Week may include off site locations.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (28 HOURS), WIL Mandatory Clinical Placement

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
28	28		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	28	
30	Yes		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	3	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid Units Value:	
		3	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		3	

Subject code

VTMD

VTMD313 - Veterinarians in Society

Overview

Description

An exploration of the veterinarian's role within the community and contribution to society. Includes the study of scientific communication, context-specific communication strategies, concepts of One Health, cultural humility, and Indigenous ways of knowing in the context of animal care and use.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 302.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours

Component	Name	Units
-----------	------	-------

UCalgary

Component	Name	Units	Max Units:
LAB	Laboratory	Units:	3
Instructor Contact Hours	Workload Hours	3	3
18	18		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
1	No	72	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	3	
Yes	1	Financial Aid Units	
Component	Name	Financial Aid	
LEC	Lecture	Units Value:	
Instructor Contact Hours	Workload Hours	3	
36	36	Course Count:	
OEE Workload Hours	Optional Component	1	
0	No	Repeat for Credit:	
Default Section Size	Final Exam Type	No	
30	Yes	Number Of Repeats:	
Provider for Authentication	LMS File Type	1	
DESIRE2LEARN	XML	Total Units Allowed:	
Include in Dynamic Date Calc	Generate Attendance	3	
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Component	Name		
TUT	Tutorial		
Instructor Contact Hours	Workload Hours		
18	18		
OEE Workload Hours	Optional Component		
0	No		
Default Section Size	Final Exam Type		
1	No		
Provider for Authentication	LMS File Type		
DESIRE2LEARN	XML		
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Subject code			
VTMD			

VTMD315 - Head, Oral, and Gastrointestinal

Overview

Description

UCalgary

Integrates anatomy, physiology, pharmacology, pathology of specific diseases, diagnostic imaging, surgery, medicine, immunology, analgesia, anesthesia, and epidemiology to explore pathologic alterations and the diagnosis and treatment of conditions related to the head, oral cavity, and gastrointestinal tract of sick animals.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 304 and 306.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (2-3-2T)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
36	36		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
1	No	84	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	3	
Yes	1	Financial Aid Units	
Component	Name	Financial Aid	
LEC	Lecture	Units Value:	
Instructor Contact Hours	Workload Hours	3	
24	24	Course Count:	
OEE Workload Hours	Optional Component	1	
0	No	Repeat for Credit:	
Default Section Size	Final Exam Type	No	
30	Yes	Number Of Repeats:	
Provider for Authentication	LMS File Type	1	
DESIRE2LEARN	XML	Total Units Allowed:	
Include in Dynamic Date Calc	Generate Attendance	3	
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Component	Name		
TUT	Tutorial		
Instructor Contact Hours	Workload Hours		
24	24		
OEE Workload Hours	Optional Component		
0	No		
Default Section Size	Final Exam Type		
1	No		
Provider for Authentication	LMS File Type		
DESIRE2LEARN	XML		
Include in Dynamic Date Calc	Generate Attendance		
No	No		

UCalgary

Auto Create	Exam Seat Spacing
Yes	1
Subject code	
VTMD	

VTMD317 - Endocrine, Renal, and Reproduction

Overview

Description

Integrates anatomy, physiology, pharmacology, pathology of specific diseases (clinical and systemic), diagnostic imaging, surgery, medicine, immunology, analgesia, anesthesia, and epidemiology to explore pathologic alterations and the diagnosis and treatment of conditions related to the endocrine system, urinary system, reproductive system of sick animals..

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 304 and 306.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (2-3-2T)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
36	36		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	84	
1	No		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Value:	
Include in Dynamic Date Calc	Generate Attendance	3	
No	No		
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
Component	Name	Units Value:	
LEC	Lecture	3	
Instructor Contact Hours	Workload Hours	Course Count:	
24	24	1	
OEE Workload Hours	Optional Component	Repeat for Credit:	
0	No	No	
Default Section Size	Final Exam Type	Number Of Repeats:	
30	Yes	1	
Provider for Authentication	LMS File Type	Total Units Allowed:	
DESIRE2LEARN	XML	3	
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Component	Name		
TUT	Tutorial		
Instructor Contact Hours	Workload Hours		
24	24		

UCalgary

OEE Workload Hours	Optional Component
0	No
Default Section Size	Final Exam Type
1	No
Provider for Authentication	LMS File Type
DESIRE2LEARN	XML
Include in Dynamic Date Calc	Generate Attendance
No	No
Auto Create	Exam Seat Spacing
Yes	1
Subject code	
VTMD	

VTMD319 - Neonatal, Special Senses, Alternative Species

Overview

Description

Integrates anatomy, physiology, pharmacology, pathology of specific diseases (clinical and systemic), diagnostic imaging, surgery, medicine, immunology, analgesia, anesthesia, and epidemiology to explore pathologic alterations and the diagnosis and treatment of conditions related to neonatal concerns, special senses and concerns of alternative species.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 304 and 306.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (2-3-2T)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
36	36		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	84	
1	No		
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
Component	Name	Units Value:	
LEC	Lecture	3	
Instructor Contact Hours	Workload Hours	Course Count:	
24	24	1	
OEE Workload Hours	Optional Component	Repeat for Credit:	
0	No	No	
Default Section Size	Final Exam Type	Number Of Repeats:	
30	Yes	1	
Provider for Authentication	LMS File Type	Total Units Allowed:	
DESIRE2LEARN	XML	3	

UCalgary

Include in Dynamic Date Calc No	Generate Attendance No
Auto Create Yes	Exam Seat Spacing 1
Component TUT	Name Tutorial
Instructor Contact Hours 24	Workload Hours 24
OEE Workload Hours 0	Optional Component No
Default Section Size 1	Final Exam Type No
Provider for Authentication DESIRE2LEARN	LMS File Type XML
Include in Dynamic Date Calc No	Generate Attendance No
Auto Create Yes	Exam Seat Spacing 1
Subject code VTMD	

VTMD401 - Group Problem-Solving

Overview

Description

Students work in small groups to solve clinical cases based on a presenting complaint. In addition to honing their clinical reasoning skills, students will also participate in laboratories to improve communication skills. Student groups will also be responsible for presenting cases to Year 1 students.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 420, 422, 424.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (2-4T)

Component	Name	Units	
LEC	Lecture	Units:	Max Units:
Instructor Contact Hours	Workload Hours	6	6
48	48		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	144	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	6	
Yes	1	Financial Aid Units	
Component	Name	Financial Aid	
TUT	Tutorial	Units Value:	
Instructor Contact Hours	Workload Hours	6	
96	96	Course Count:	
OEE Workload Hours	Optional Component	1	
0	No	Repeat for Credit:	
Default Section Size	Final Exam Type	No	
1	No	Number Of Repeats:	
Provider for Authentication	LMS File Type	1	
DESIRE2LEARN	XML	Total Units Allowed:	
Include in Dynamic Date Calc	Generate Attendance	6	
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Subject code			
VTMD			

VTMD403 - Introduction to Clinical Rotations

Overview

Description

Bridges the school experience and the clinical experience. Students participate in faculty-led clinical rotations in diagnostic, small, and large animal facilities. Topics one week each: Fundamentals in medicine, Fundamentals in Surgery, Fundamentals in Anatomic Pathology, Fundamentals in Clinical Pathology, Fundamentals in diagnostic imaging, Fundamentals in anesthesia, Fundamentals in preventative and population medicine, Fundamentals in Diagnostic Imaging.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 420, 422, 424.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (196 Hours)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	6	6
196	196		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	196	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	6	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid Units Value:	
		6	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		6	

Subject code

VTMD

VTMD409 - Topics in Veterinary Medicine

Overview

Description

An opportunity to explore veterinary medicine topics of interest in more detail. Topics available will vary from year-to-year.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 420, 422, 424.

MAY BE REPEATED FOR CREDIT

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (18 HOURS)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	1.5	1.5
18	18		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	18	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	1.5	
Yes	1	Financial Aid Units	
		Financial Aid	
		Units Value:	
		1.5	
		Course Count:	
		1	
		Repeat for Credit:	
		Yes	
		Number Of Repeats:	
		99	
		Total Units Allowed:	
		999	

Subject code

VTMD

VTMD420 - Integument and Musculoskeletal

Overview

Description

Integrates anatomy, physiology, pharmacology, pathology of specific diseases (clinical and systemic), diagnostic imaging, surgery, medicine, immunology, analgesia, anesthesia, and epidemiology to explore pathologic alterations and the diagnosis and treatment of conditions related to the integumentary and musculoskeletal systems of sick animals.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 304 and 306.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (2-3-2T)

Component	Name	Units
LAB	Laboratory	

UCalgary

Instructor Contact Hours
36

OEE Workload Hours
0

Default Section Size
1

Provider for Authentication
DESIRE2LEARN

Include in Dynamic Date Calc
No

Auto Create
Yes

Component
LEC

Instructor Contact Hours
24

OEE Workload Hours
0

Default Section Size
30

Provider for Authentication
DESIRE2LEARN

Include in Dynamic Date Calc
No

Auto Create
Yes

Component
TUT

Instructor Contact Hours
24

OEE Workload Hours
0

Default Section Size
1

Provider for Authentication
DESIRE2LEARN

Include in Dynamic Date Calc
No

Auto Create
Yes

Subject code
VTMD

Workload Hours
36

Optional Component
No

Final Exam Type
No

LMS File Type
XML

Generate Attendance
No

Exam Seat Spacing
1

Name
Lecture

Workload Hours
24

Optional Component
No

Final Exam Type
Yes

LMS File Type
XML

Generate Attendance
No

Exam Seat Spacing
1

Name
Tutorial

Workload Hours
24

Optional Component
No

Final Exam Type
No

LMS File Type
XML

Generate Attendance
No

Exam Seat Spacing
1

Units:
3

Max Units:
3

Contact Hours

Contact Hours

Value:
84

Academic Progress Units

Academic

Progress Units

Value:
3

Financial Aid Units

Financial Aid

Units Value:

3

Course Count:

1

Repeat for Credit:

No

Number Of Repeats:

1

Total Units Allowed:

3

VTMD422 - Neurology and Respiratory

Overview

Description

Integrates anatomy, physiology, pharmacology, pathology of specific diseases (clinical and systemic), diagnostic imaging, surgery, medicine, immunology, analgesia, anesthesia, and epidemiology to explore pathologic alterations and the diagnosis and treatment

UCalgary

of conditions related to the neurology and respiratory systems of sick animals.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 304 and 306.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (2-3-2T)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
36	36		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
1	No	84	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	3	
Yes	1	Financial Aid Units	
Component	Name	Financial Aid	
LEC	Lecture	Units Value:	
Instructor Contact Hours	Workload Hours	3	
24	24	Course Count:	
OEE Workload Hours	Optional Component	1	
0	No	Repeat for Credit:	
Default Section Size	Final Exam Type	No	
30	Yes	Number Of Repeats:	
Provider for Authentication	LMS File Type	1	
DESIRE2LEARN	XML	Total Units Allowed:	
Include in Dynamic Date Calc	Generate Attendance	3	
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Component	Name		
TUT	Tutorial		
Instructor Contact Hours	Workload Hours		
24	24		
OEE Workload Hours	Optional Component		
0	No		
Default Section Size	Final Exam Type		
1	No		
Provider for Authentication	LMS File Type		
DESIRE2LEARN	XML		
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Subject code			

VTMD424 - Cardiovascular and Lymphatic

Overview

Description

Integrates anatomy, physiology, pharmacology, pathology of specific diseases (clinical and systemic), diagnostic imaging, surgery, medicine, immunology, analgesia, anesthesia, and epidemiology to explore pathologic alterations and the diagnosis and treatment of conditions related to the cardiovascular and lymphatic systems of sick animals.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 304 and 306.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (2-3-2T)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	3	3
36	36		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
1	No	84	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	3	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
Component	Name	Units Value:	
LEC	Lecture	3	
Instructor Contact Hours	Workload Hours	Course Count:	
24	24	1	
OEE Workload Hours	Optional Component	Repeat for Credit:	
0	No	No	
Default Section Size	Final Exam Type	Number Of Repeats:	
30	Yes	1	
Provider for Authentication	LMS File Type	Total Units Allowed:	
DESIRE2LEARN	XML	3	
Include in Dynamic Date Calc	Generate Attendance		
No	No		
Auto Create	Exam Seat Spacing		
Yes	1		
Component	Name		
TUT	Tutorial		
Instructor Contact Hours	Workload Hours		
24	24		
OEE Workload Hours	Optional Component		
0	No		
Default Section Size	Final Exam Type		
1	No		

UCalgary

Provider for Authentication	LMS File Type
DESIRE2LEARN	XML
Include in Dynamic Date Calc	Generate Attendance
No	No
Auto Create	Exam Seat Spacing
Yes	1
Subject code	
VTMD	

VTMD430 - Introduction to Surgery, Anesthesia, and Hospitalized Case Management Overview

Description

Begins with relevant anesthesia and surgery lectures and then allows students to take primary case responsibility for basic surgical sterilization procedures in healthy small animals. Covers admission of the patient through to assessment, surgical, anesthetic, analgesic, and post-operative care and discharge back to the guardian of the animal. Develop accurate and acceptable medical records and practice functioning as part of an integrated medical team.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and Veterinary Medicine 304 and 306.

Note: May occur in a laboratory setting or as a specific rotation at the UCVS Small Animal Clinic.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (1-6-1T)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	6	6
144	144		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
1	No	192	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	6	
Yes	1	Financial Aid Units	
Component	Name	Financial Aid	
LEC	Lecture	Units Value:	
Instructor Contact Hours	Workload Hours	6	
24	24	Course Count:	
OEE Workload Hours	Optional Component	1	
0	No	Repeat for Credit:	
Default Section Size	Final Exam Type	No	
30	Yes	Number Of Repeats:	
Provider for Authentication	LMS File Type	1	
DESIRE2LEARN	XML	Total Units Allowed:	
Include in Dynamic Date Calc	Generate Attendance	6	
No	No		

UCalgary

Auto Create Yes	Exam Seat Spacing 1
Component TUT	Name Tutorial
Instructor Contact Hours 24	Workload Hours 24
OEE Workload Hours 0	Optional Component No
Default Section Size 1	Final Exam Type No
Provider for Authentication DESIRE2LEARN	LMS File Type XML
Include in Dynamic Date Calc No	Generate Attendance No
Auto Create Yes	Exam Seat Spacing 1
Subject code VTMD	

VTMD500 - Veterinary Practicum Rotations I

Overview

Description

Rotations are delivered on site at UCVN as well as at off-site locations. Rotations include General Veterinary Practice, Specialty Veterinary practice, and elective opportunities encompassing a range of practicum experiences in veterinary medicine in order to expand or deepen their knowledge and skills towards their chosen career path.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and completion of 30 units of Veterinary Medicine at the 400 level.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC HOURS (240 HOURS)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	6	6
240	240		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	240	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic	
Include in Dynamic Date Calc	Generate Attendance	Progress Units	
No	No	Value:	
Auto Create	Exam Seat Spacing	6	
Yes	1	Financial Aid Units	
		Financial Aid	
		Units Value:	
		6	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		6	

Subject code

VTMD

VTMD505 - Veterinary Practicum Rotations

Overview

Description

Rotations are delivered on site at UCVN as well as at off-site locations. Rotations include General Veterinary Practice, Specialty Veterinary practice, and elective opportunities encompassing a range of practicum experiences in veterinary medicine in order to expand or deepen their knowledge and skills towards their chosen career path.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and completion of 30 units of Veterinary Medicine at the 200 level.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC HOURS (240 HOURS)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	6	6
240	240		
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Contact Hours	
Default Section Size	Final Exam Type	Value:	
30	Yes	240	
Provider for Authentication	LMS File Type	Academic Progress Units	
DESIRE2LEARN	XML	Academic Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	6	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid Units Value:	
		6	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		6	

Subject code

VTMD

VTMD510 - Fall Veterinary Practicum Rotations

Overview

Description

Rotations are delivered on site at UCVN as well as at off-site locations. Rotations include General Veterinary Practice, Specialty Veterinary practice, and elective opportunities encompassing a range of practicum experiences in veterinary medicine in order to expand or deepen their knowledge and skills towards their chosen career path.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and completion of 30 units of Veterinary Medicine at the 200 level.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (560 Hours)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	14	14
560	560	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	560	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	14	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		14	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		14	

Subject code

VTMD

VTMD515 - Winter Veterinary Practicum Rotations

Overview

Description

Rotations are delivered on site at UCVN as well as at off-site locations. Rotations include General Veterinary Practice, Specialty Veterinary practice, and elective opportunities encompassing a range of practicum experiences in veterinary medicine in order to expand or deepen their knowledge and skills towards their chosen career path.

Prerequisite(s): Admission to the Doctor of Veterinary Medicine (DVM) Program and completion of 30 units of Veterinary Medicine at the 200 level.

Course Attributes

Fee Rate Group(Domestic) - A, Fee Rate Group(International) -A, GFC Hours (560 Hours)

Component	Name	Units	
LAB	Laboratory	Units:	Max Units:
Instructor Contact Hours	Workload Hours	14	14
560	560	Contact Hours	
OEE Workload Hours	Optional Component	Contact Hours	
0	No	Value:	
Default Section Size	Final Exam Type	560	
30	Yes	Academic Progress Units	
Provider for Authentication	LMS File Type	Academic	
DESIRE2LEARN	XML	Progress Units	
Include in Dynamic Date Calc	Generate Attendance	Value:	
No	No	14	
Auto Create	Exam Seat Spacing	Financial Aid Units	
Yes	1	Financial Aid	
		Units Value:	
		14	
		Course Count:	
		1	
		Repeat for Credit:	
		No	
		Number Of Repeats:	
		1	
		Total Units Allowed:	
		14	

Subject code

VTMD