The College of Veterinary Medicine at Oregon State University was established in 1975 with three major areas of responsibility—teaching, research, and public service.

**Graduate Majors**

Comparative Veterinary Medicine (Ph.D.)

**Graduate Areas of Concentration**

- Laboratory Animal Medicine
- Microbiology
- Pathology
- Toxicology

Veterinary Medicine (D.V.M.)

**Graduate Areas of Concentration**

- Clinical Sciences
- Laboratory Animal Medicine
- Microbiology
- Parasitology
- Pathology
- Toxicology

**Faculty**

Professors: Blythe, Craig, Engel, Koller, Koong, Pearson, Riebold, Scott, A. Smith, Snyder, Taylor, Watrous; Associate Professors: Crisman, Hansen, Hedstrom, Heidel, Huber, Mattson, B. Smith, Timm; Assistant Professors: Bechert, Bildfell, Bird, Brendemuehl, Cebra, Cundy, Grubb, Hall, Parker, Schlipf, Tomquist, Valentine; Instructors: Bates, Gustafson; Emeritus: Hutton, Matsumoto; Adjunct: Ackerman, Cherian, Ojerio; Courtesy: Brown, Cooper, Franklin, Hensley, Herrtort, Iverson, Kroll, La Patra, Mack, Maxwell, Mc Coy, Ost, Skinner, Wood

**TEACHING**

The college was established in 1975 and began its professional education program in 1979. Each year, 28 residents of Oregon and eight non-resident students are selected to enter the OSU College of Veterinary Medicine. These 36 Oregon-sponsored students take their first year of professional study at OSU, then transfer to Washington State University for their second and part of their third year of study. At the end of March in their third year, they transfer back to OSU to finish their final year of instruction and to take their final year of study. Completion of the professional program leads to the Doctor of Veterinary Medicine (D.V.M.) degree.

This unique approach to veterinary education has been accomplished through a formal arrangement with the College of Veterinary Medicine at Washington State University, Pullman, and the University of Idaho, Moscow.

OSU's College of Veterinary Medicine is accredited by the Council on Education of the American Veterinary Medical Association.

Comprehensive research training is provided through graduate programs leading to the M.S. degree or the Ph.D. degree in comparative veterinary medicine.

There are two departments supporting the D.V.M. doctoral program: Biomedical Sciences headed by M. Taylor and Large Animal Clinical Sciences headed by T. Riebold.

**RESEARCH**

Biomedical research and research training are conducted by the college in cooperation with the OSU Agricultural Experiment Station, and the Environmental Health Sciences Center. This research is of economic and public health significance because it aims to develop new information to improve the health of animals and people.

The college emphasizes research on diseases of food and fiber animals and on problems of present and potential concern to Oregon's valuable livestock and poultry industries. The college also shares a regional and national responsibility for providing information to assist in the control of animal diseases. Diseases of terrestrial wildlife, aquatic, and companion animals are also studied because of their importance in food production, recreation, and companionship.

The research program is a multidisciplinary effort, bringing together faculty expertise in pathology, bacteriology, virology, biophysics, biochemistry, immunology, physiology, anatomy, neurosciences, toxicology, clinical veterinary medicine, and other disciplines.

Advice from livestock and poultry producers, practicing veterinarians, producer and commodity groups, the Oregon Department of Agriculture, and others helps establish research priorities.

Faculty research and service activities are described in this catalog under the Extension Service, the Agricultural Experiment Station and the Environmental Health Sciences Center.

**PUBLIC SERVICE**

The service programs focus on the prevention, treatment, and control of animal diseases. The college assists veterinary practitioners, animal owners, and the general public through the Veterinary Diagnostic Laboratory, the Veterinary Teaching Hospital, and the Veterinary Extension programs.

The diagnostic laboratory accepts animals and specimens for examination and analysis. It is equipped with diagnostic and analytical facilities for microbiological, chemical, toxicological, and pathological examinations. Clinical pathology services are available for both referring veterinarians and clinicians in the Veterinary Teaching Hospital.

The Veterinary Teaching Hospital is designed and equipped for diagnosis and medical and surgical treatment of equine, food animal, and camelid patients. Patients are admitted directly from animal owners.
and through referrals from practicing veterinarians in Oregon and the Pacific Northwest. Radiology, anesthesiology, pharmacy, intensive care, and other services are available to support the hospital functions.

The diagnostic laboratory and the teaching hospital serve as laboratories where students examine all aspects of disease, including history, clinical signs, diagnosis, treatments, and prognosis.

The Veterinary Extension program carries the results of research to animal owners and Oregon's practicing veterinarians through meetings, conferences, publications, and personal consultations with extension veterinarians and research scientists, teachers, clinicians, and diagnosticians within the school.

Providing continuing education for veterinarians is also considered a major responsibility of the college. One- to three-day intensive courses of instruction on specific topics are offered periodically.

**CAREER OPPORTUNITIES IN VETERINARY MEDICINE**

Opportunities for employment in veterinary medicine are very good. Nearly 70 percent of the professionally active veterinarians in the United States are engaged in private practice. Some practices are limited to particular groups of animals, such as food animal, equine, or companion animal practices. Others involve specialties such as surgery, ophthalmology, cardiology, or radiology. In addition to private practice, there are numerous teaching and research opportunities in academic, governmental, and industrial situations. An expanding area is laboratory animal medicine, in which veterinarians are often employed by medical schools, large health-related research organizations, or universities.

**ADMISSION TO THE PROFESSIONAL PROGRAM**

Applicants for admission to the College of Veterinary Medicine should have at least 107 acceptable quarter credits from an accredited college or university. The credits must include courses that will meet the requirements for a bachelor's degree at the student's undergraduate institution as well as electives in the student's areas of interest. Included in the 107 credits are courses in written communication, the arts and humanities, and the social sciences. Also included are approximately 67 credits of physical and biological sciences, with courses in chemistry, including organic, inorganic, and biochemistry; mathematics, through college-level algebra; genetics; physics; and zoology or general biology. Completion of the Graduate Record Examination is also required. In addition to the academic requirements, it is required that the applicant has experience working with animals and an understanding of the veterinary profession.

**Applications**

Students seeking to enter the four-year professional veterinary medical education program must complete a Veterinary Medical College Application Service (VMCAS) application form. The VMCAS office, in Washington, D.C., will be responsible for receiving completed application forms, evaluation forms, and transcripts. VMCAS will also collect the application fee. The application must be received in the VMCAS office postmarked no later than November 1 preceding the fall term in which the applicant wishes to enroll.

VMCAS application forms are available after July 15 electronically from the AAVMC web site (http://www.aavmc.org).

All pre-veterinary requirements must be fulfilled or scheduled for completion by the end of the spring term of the year in which the applicant seeks to be admitted. A list of courses in progress at the time of filing the application or scheduled for completion by the end of the spring term must accompany the applications and transcripts.

Admission to the College of Veterinary Medicine is on a competitive and selective basis. Scholastic performance, aptitude, and personal development are all considered in the selection of candidates. Consideration of admission to the College of Veterinary Medicine is administered equally without regard to race, color, creed, gender, national origin, disability, or age. Admission is granted annually at the beginning of the fall quarter only.

In reviewing applicants for admission to the College of Veterinary Medicine, preference is given to qualified Oregon residents for 28 positions. Qualified residents certified and financed by the Western Interstate Commission for Higher Education (WICHE) contract states (see below) or non-residents are eligible for 8 additional positions. To be considered an Oregon applicant, see the OSU catalog section on "Residency Requirements," or contact the Residency Officer in the OSU Admissions and Orientation office at (541) 737-4411.

All candidates are given written notification of acceptance or denial as soon as possible after the admissions committee has reached its final decision. Such notification for Oregon residents and WICHE applicants is generally given by April 15. Sometimes, however, final decisions on non-residents may be delayed until June. Acknowledgment of notification of acceptance should be made promptly in writing by the successful applicant. Unsatisfactory applicants who wish to be considered for the following year must resubmit an application.
Applications from WICHE Students
The College of Veterinary Medicine at Oregon State University, the College of Veterinary Medicine at Washington State University, and the Faculty of Veterinary Medicine at the University of Idaho have entered into a regional educational program with Arizona, Hawaii, Montana, Nevada, New Mexico, North Dakota, Utah, and Wyoming. Under the terms of this contract, a certified student admitted from one of these states is sponsored financially by his or her home state and is subject to the same fees as the Oregon, Washington, and Idaho resident students.

Students from these contract states must apply to their home state for certification in addition to making application to the Veterinary Medical College Application Service (VMCAS). Additional information regarding regional veterinary education may be obtained from: The Executive Director, Western Interstate Commission for Higher Education, P.O. Box 9752, Boulder, Colorado 80301-9752.

Readmission
Any student who voluntarily withdraws from the College of Veterinary Medicine or who is dropped for cause must make written application for consideration for reinstatement to the college.

VETERINARY STUDENT EXPENSES
Oregon resident students registered in the College of Veterinary Medicine will pay tuition and fees of approximately $3,620 per term. Non-residents student fees are approximately $7,053 per term.

Veterinary students must provide their own special clothing as well as the dissection, surgical, and diagnostic instruments and notes/books stipulated by the faculty.

Occasional field trips are scheduled in the veterinary curriculum. Transportation is provided by the University for required trips, but students must provide their own food and lodging. For optional trips, the student is usually expected to provide transportation as well as lodging and food. All other expenses, such as residence hall and living expenses, are the same as for students in other colleges of the University, except for the expenses of the moves students must make to Washington State University for their second and the first half of their third year of study and back to Oregon State University for the final portion of the curriculum.

Students desiring additional information about veterinary medicine should write to the Office of the Dean, College of Veterinary Medicine, Oregon State University, 200 Magruder Hall, Corvallis, Oregon 97331-4801.

POLICY ON LABORATORY AND DUTY HOURS
During the professional curriculum, several laboratory exercises in the preclinical years require the use of live animals. The exercises are designed to complement didactic lectures and demonstrations through hands-on experience with various species of animals. In all instances, the animals are humanely treated and anesthetized if the procedures are deemed painful; animals are humanely euthanized at the termination of some of the laboratory exercises.

During the clinical years, animals are used in laboratory exercises in the teaching of basic surgical skills and medical procedures. In all instances, the animals are anesthetized. Strict protocol is enforced regarding the animals’ well-being in exercises requiring post-operative recovery.

During the fourth year of the veterinary curriculum, students are assigned on a rotational basis to the various divisions and services engaged in the operation of the veterinary hospital. Emergency services are offered to the public on a 24-hour basis, seven days a week.

Student assignments in the clinical blocks are time-demanding, and students are required to spend time at night, weekends, and holidays in the delivery of health care to patients. Hospital operations continue seven days per week, and students are responsible for their assigned tasks regardless of time and day of week.

GRADUATION REQUIREMENTS
A total of 225 quarter credits is required for graduation. To be awarded the degree of Doctor of Veterinary Medicine, candidates must have passed all required courses in the veterinary curriculum, have a minimum of a 2.00 grade-point average in the veterinary curriculum, and have a bachelor’s degree.

CURRICULUM
Typical Pre-veterinary Curriculum at Oregon State University follows (see baccalaureate core requirements for details on skills, perspectives, and synthesis). Oregon State University courses that will meet the pre-veterinary academic requirements:

Skills (15)
Perspectives (27)
Synthesis (6)

Physical and Biological Sciences
CH 121, CH 122, CH 123. General Chemistry or CH 221, CH 222, CH 223 (15)
CH 331 and CH 332. Organic Chem (10)
MTH 111 and MTH 112. Mathematics (8)
PH 201. PH 202 General Physics (10)
BI 211, BI 212, BI 213. Biology (12)
BB 350 or BB 450 and BB 451. Biochem (4-8)

BI 311 or ANS 378. Genetics (4)
Biological Sciences w/lab (6)
Electives (directed toward major)

PROFESSIONAL CURRICULUM
D.V.M. DEGREE

First Year
Fall (17)
(at Oregon State University)
VM 709. Veterinary Medicine Orientation (1)
VM 711. Veterinary Gross Anatomy (4)
VM 714. Veterinary Microscopic Anatomy (5)
VM 717. Physiology (5)
VM 738. Intro to Animal Care (2)

Winter (19)
(at Oregon State University)
VM 712. Veterinary Gross Anatomy (4)
VM 715. Veterinary Microscopic Anatomy (3)
VM 716. Veterinary Neurosciences (4)
VM 718. Veterinary Physiology (5)
VM 723. Applied Nutrition (3)

Spring (19)
(at Oregon State University)
VM 713. Veterinary Gross Anatomy (4)
VM 719. Veterinary Physiology (4)
VM 720. Immunology (5)
VM 721. Veterinary Pathology (6)

Second Year
Semester I (20 semester credits)
(at Washington State University)
VM 533P. Virology (3)
VM 536P. Bacteriology (4)
VM 546P. Pathology II (6)
VM 589P. Clinical Pathology (3)
VM 522P. Pharm/Tox I (4)

Semester II (20 semester credits)
(at Washington State University)
VM 543P. Public Health (2)
VM 537P. Parasitology (4)
VM 587P. Anesth/Prin of Surg. (3)
VM 551P. Small Animal Medicine I (4)
VM 588P. Radiology (3)
VM 523P. Pharm/Tox II (4)

Third Year
Term I (19 semester credits)
(at Washington State University)
VM 585P. Epidemiology (2)
VM 552P. Small Animal Medicine II (5)
VM 553P. Small Animal Surgery (3)
VM 554P. Small Animal Surgery Lab I (1) or
VM 555P. Small Animal Surgery Lab II (1)
VM 569P. Large Animal Medicine I (6)
VM 575P. Small Animal Theriogenology (1)
VM 598P. Introduction to Clinics (1)

Term II (8 semester credits)
Block system (12 weeks/block)
(at Washington State University)
VM 562. Small Animal Medicine (4)
VM 567. Small Animal Surgery (4)

Term III (25 quarter credits)
(at Oregon State University)
VM 722. Large Animal Medicine II (8)
VM 724. Large Animal Surgery (3)
VM 726. Theriogenology (6)
VM 728. Special Animal Medicine (4)
VM 733. Special Veterinary Surgery (3)
VM 775. Practice Management (1)
Fourth Year

Block system (4 weeks/block) (at Oregon State University)
Required blocks (27 weeks required)
VM 732. Clinical Medicine I (6)
VM 734. Clinical Surgery I (6)
VM 735. Rural Veterinary Practice I (6)
VM 736. Clinical Service I (6)
VM 737. LA Anesthesiology (1)
VM 780. Preceptorship I (1)
VM 780. Preceptorship II (1)
VM 782. Emergency Care (1)
VM 731. Small Animal Emergency and Critical Care (1)

Elective blocks (11 weeks required)
VM 752. Clinical Medicine II (6)
VM 754. Clinical Surgery II (6)
VM 755. Rural Veterinary Practice II (6)
VM 756. Clinical Service II (6)
VM 757. Topics: Small Animal Surg (6)
VM 758. Cattle Production Medicine (4)
VM 773. Avian Medicine (6)
VM 774. Laboratory Animal Medicine (6)
VM 775. Animal Medical (6)
VM 781. Adv Lamenes in Equine (3)
VM 781. Llama Medicine & Surgery (3)
VM 781. Small Animal Med (6), Section 6 and 9
VM 781. Applied Ruminant Nutrition (1), Section 7
VM 781. Pet Birds and Pocket Pets (1), Section 13
VM 781. SA Ultrasound (1), Section 17
VM 781. Sheep/Goat Medicine & Surgery (3), Section 20
VM 781. Canine Sports Medicine (1), Section 21
VM 781. Wildlife Rehabilitation (1), Section 22
VM 781. Free Ranging Wildlife (1), Section 23
VM 781. Zoo Medicine (3), Section 24
VM 781. Veterinary Medical Ethics (1), Section 25
VM 790. Food Animal Medicine/Caldwell (6), Section 5
VM 790. Radiology (3), Section 12
VM 790. Anesthesiology (3), Section 13
VM 790. Special Studies (6), Section 20
VM 790. Clin/Lab Diagnosis (3), Section 21
VM 790. Advanced Equine Repro. (3), Section 22
VM 790. Equine Dentistry (1), Section 25
VM 790. LA GI Surgery (1), Section 26

Vacation blocks (10 weeks)

COURSES

Lower Division
VM 110. PREVETERINARY MEDICINE (1). Introduction to the professions role in society. Graded P/N.

Upper Division
VM 351. LIVESTOCK DISEASES (3). A discussion of a limited number of disease of major economic importance to the livestock producer. Diseases selected will illustrate the factors causing diseases, the mechanisms of disease production, and the relationship between host, environment, and etiology. Emphasis will be on disease prevention. PREREQ: Microbiology course and ANS 314. REC: ANS 311 and ANS 316. To be offered on alternate years with Livestock Diseases, VM 352.
VM 352. HORSE DISEASES (3). A discussion of a limited number of diseases of importance to the horse industry. Diseases selected will be used to illustrate the factors causing diseases, the mechanisms of disease production, and the relationship between host, environment, and etiology. Emphasis will be on disease prevention. PREREQ: Microbiology course and ANS 314. REC: ANS 311 and ANS 316. To be offered on alternate years with Livestock Diseases, VM 352.

VM 451/VM 551. AVIAN DISEASES (3, 3). The pathology of viral, bacterial, genetic, nutritional, and mycotic avian diseases; programs for control. PREREQ: Consent of instructor. Offered odd numbered years. CROSSLISTED AS ANS 451/551.

Graduate
VM 501. RESEARCH (1-16), Graded P/N.
VM 503. THESIS (1-12).
VM 505. READING AND CONFERENCE (1-16). Graded P/N.
VM 507. SEMINAR (1-16), Graded P/N.
VM 517. VETERINARY PHYSIOLOGY (5). Physiology of body fluids, muscles, membranes, intermediary metabolism, and cardiovascular system, and metabolism. PREREQ: One year of inorganic chemistry, including a lab; one upper division course in biochemistry; one term physics; one year sequence in general biologic sciences or equivalent. Consent of instructor.
VM 518. VETERINARY PHYSIOLOGY (5). Physiology of endocrine and reproductive systems. PREREQ: VM 517.
VM 519. VETERINARY PHYSIOLOGY (4). Physiology of respiratory and renal systems and acid-base balance. PREREQ: VM 518
VM 601. RESEARCH (1-16), Graded P/N.
VM 603. THESIS (1-16).
VM 605. READING AND CONFERENCE (1-16).
VM 606. PROJECTS (1-16), Graded P/N.
VM 607. SEMINAR (1-16). One-credit section; VM 607 sec 1. Graded P/N.
VM 611, VM 612, VM 613. VETERINARY GROSS ANATOMY (4,4,4). Systematic and topographic study and dissection of the dog, cat, horse, ruminant, pig and chicken. PREREQ: One year of inorganic chemistry, including a lab; one upper- division course in biochemistry; one term of physics; one year sequence in general biologic sciences or equivalent. Must be taken in sequence.
VM 614, VM 615. VETERINARY MICROSCOPIC ANATOMY (5,5). Structure and development of cells, tissues, organs, and organ systems and animals. PREREQ: One year of inorganic chemistry, including a lab; one upper- division course in biochemistry; one term of physics; one year sequence in general biologic sciences or equivalent. Must be taken in sequence.
VM 620. VETERINARY IMMUNOLOGY (5). Clinical and diagnostic aspects of immunological mechanisms, serological reactions, hypersensitivity, allergy, and disorders of the immune system. PREREQ: First-year standing in veterinary medicine.
VM 621. VETERINARY PATHOLOGY (6). Basic mechanisms and concepts relating to reaction of cells and tissues to disease, with emphasis on cellular and tissue degeneration, inflammatory reaction, circulatory, and neoplasia. PREREQ: First-year standing in veterinary medicine.
VM 701, VM 712, VM 713. VETERINARY GROSS ANATOMY (4,4,4). Systematic and topographic study and dissection of the dog, cat, horse, ruminant, pig, and chicken. PREREQ: First-year standing in veterinary medicine. Must be taken in sequence.
VM 714, VM 715. VETERINARY MICROSCOPIC ANATOMY (5,5). Structure and development of cells, tissues, and organ systems of animals. PREREQ: First-year standing in veterinary medicine.
VM 716. VETERINARY NEUROSCIENCE (4). Structural and functional relationships of the nervous system and organs of special sense with emphasis on general clinical application. PREREQ: First-year standing in veterinary medicine.
VM 717, VM 718, VM 719. VETERINARY PHYSIOLOGY (5.5,4). Physiology of body fluids, excretion, respiration, acid-base balance, blood, muscle, bone, cardiovascular system, digestion, metabolism, endocrine system, reproduction, and lactation. PREREQ: First-year standing in veterinary medicine. Must be taken in sequence.
VM 720. VETERINARY IMMUNOLOGY (5). Clinical and diagnostic aspects of immunological mechanisms, serological reactions, hypersensitivity, allergy, and disorders of the immune system. PREREQ: First-year standing in veterinary medicine.
VM 721. VETERINARY PATHOLOGY (6). Basic mechanisms and concepts relating to reaction of cells and tissues to disease, with emphasis on cellular and tissue degeneration, inflammatory reaction, circulatory, and neoplasia. PREREQ: First-year standing in veterinary medicine.
VM 722. LARGE ANIMAL MEDICINE II (8). Diagnosis and treatment of large animal diseases. PREREQ: Third-year standing in veterinary medicine.
VM 723. SMALL ANIMAL NUTRITION (3). Nutritional concepts related to animal medicine. PREREQ: First-year standing in veterinary medicine.
VM 724. LARGE ANIMAL SURGERY (3). Large animal surgical techniques and procedures. PREREQ: Third-year standing in veterinary medicine.
VM 728. THIENOGENOLOGY (6). Diagnosis, symptomatology, and treatment of reproductive disorders. PREREQ: Third-year standing in veterinary medicine.
VM 729. SPECIAL ANIMAL MEDICINE (4). Diagnosis, treatment, and management of special animals, including the common laboratory animals. PREREQ: Third-year standing in veterinary medicine.
VM 731. SMALL ANIMAL EMERGENCY AND CRITICAL CARE (1). A one-week course at the Dove Lewis Emergency in Portland that will expose the student to concepts and procedures used in emergency and critical care of animals. PREREQ: Fourth-year standing in veterinary medicine.
VM 732. CLINICAL MEDICINE I (8). Clinical medicine training in small animals and horses; clinic rounds and diagnostic procedures. PREREQ: Fourth-year standing in veterinary medicine.
VM 733. SPECIAL VETERINARY SURGERY (3). Selected surgical techniques and procedures as related to food animals and horses. PREREQ: Third-year standing in veterinary medicine.

VM 734. CLINICAL SURGERY I (6). Clinical surgery, treatment, and care of food animals and horses; clinic rounds; training in surgery, lameness, and diagnostic procedures. PREREQ: Fourth-year standing in veterinary medicine.

VM 735. RURAL VETERINARY PRACTICE I (6). Rural practice training in diseases of food animals and horses. PREREQ: Fourth-year standing in veterinary medicine.


VM 737. LARGE ANIMAL ANESTHESIOLOGY (1). One-week clinical rotation in large animal anesthesiology including selection of anesthetic techniques and anesthetic management and supportive therapy of clinical cases. PREREQ: Fourth-year standing in veterinary medicine.

VM 738. INTRODUCTION TO ANIMAL CARE (2). Feeding, housing, breeding and marketing systems related to animal care. PREREQ: First-year standing in veterinary medicine.

VM 752. CLINICAL MEDICINE II (6). Additional clinical medicine training. PREREQ: VM 732. Graded P/N.

VM 754. CLINICAL SURGERY II (6). Additional clinical surgery training. PREREQ: VM 734. Graded P/N.

VM 755. RURAL VETERINARY PRACTICE II (6). Additional rural practice training. PREREQ: VM 735. Graded P/N.

VM 756. CLINICAL SERVICE II (6). Advanced clinical experience in radiology, clinical pathology, microbiology, or necropsy. PREREQ: VM 736. Graded P/N.

VM 757. SMALL ANIMAL SURGERY (6). Small animal medicine and surgical techniques and procedures. PREREQ: Fourth-year standing in veterinary medicine. Graded P/N.

VM 758. CATTLE PRODUCTION MEDICINE (4). Clinical application of production medicine practices to dairy and beef cattle practice. PREREQ: Fourth-year standing in veterinary medicine, VM 735 or instructor permission. Graded P/N.

VM 773. AVIAN MEDICINE (6). Clinical experience related to diseases of poultry and pet birds. PREREQ: Fourth-year standing in veterinary medicine. Graded P/N.

VM 774. LABORATORY ANIMAL MEDICINE (6). Clinical experience related to diagnosis, treatment, and management of laboratory animals. PREREQ: Fourth-year standing in veterinary medicine. Graded P/N.

VM 775. PRACTICE MANAGEMENT (1). Students will become knowledgeable about the world of work and career development theories using career assessment, literature, media and computer resources. PREREQ: Third-year standing in veterinary medicine. Graded P/N.


VM 781. SEMINAR IN VETERINARY MEDICINE (1-16). Seminars and case discussions on selected topics by students, staff, and others. Graded P/N.

VM 782. EMERGENCY CARE (1). One week rotation in the Veterinary Teaching Hospital during non-regular hours. Practice and instruction in caring for critically ill patients. PREREQ: Fourth-year standing in Veterinary Medicine.


Footnote
*Four week period.