DEPARTMENT OF CLINICAL SCIENCES

Courses

Clinical Sciences (VS)

VS 301  Human-Animal Interactions  Credits: 3 (1-0-2)
Course Description: Explore various topics and current research related to human-animal interactions.
Prerequisite: None.
Registration Information: Completion of AUCC Category 2. Must register for lecture and recitation. Offered as an online course only. Credit not allowed for both VS 280A1 and VS 301.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VS 310  Communication Skills for Animal Professions  Credits: 3 (3-0-0)
Course Description: Professional training and specifically tailored communication skills designed to meet the needs of animal professionals.
Prerequisite: None.
Registration Information: Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VS 331  Histology  Credits: 4 (3-2-0)
Course Description: Analysis of animal cells, tissues, and organs emphasizing light microscopy.
Prerequisite: BZ 100 or LIFE 102.
Registration Information: Must register for lecture and laboratory. Credit not allowed for both VS 331 and BMS 330. Sections may be offered: Online.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

VS 333  Domestic Animal Anatomy  Credits: 4 (3-3-0)
Course Description: Comparative functional anatomy of the dog, horse, and cow.
Prerequisite: BZ 110 or LIFE 102.
Registration Information: Must register for lecture and laboratory. Credit not allowed for both VS 333 and BMS 305. Sections may be offered: Online.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

VS 401  Human Animal Interactions  Credits: 3 (3-0-0)
Course Description: Roles animals play in society, and the impact of human and animal relationships.
Prerequisite: None.
Registration Information: Completion of AUCC Category 2. Offered as an online course only.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VS 410  Pets Forever – Supporting the Life-Long Bond  Credits: 3 (1-4-0)
Course Description: Opportunity to engage with older adults and individuals with disabilities and their companion animals. Enrichment of students’ experience through the opportunity to gain community service experience.
Prerequisite: HDFS 101 or PSY 100 or SOWK 110.
Registration Information: Must register for lecture and laboratory. Sections may be offered: Online.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

VS 479  Biology and Behavior of Dogs  Credits: 3 (3-0-0)
Also Offered As: BZ 479.
Course Description: Interactions of physiology, neurobiology, and genetics on behavior of domestic dogs, and how evolution and domestication influence behavioral traits.
Prerequisite: LIFE 103 or BZ 110.
Registration Information: Credit not allowed for both VS 479 and BZ 479. Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VS 510  Cancer Biology  Credits: 3 (3-0-0)
Also Offered As: ERHS 510.
Course Description: Cancer biology will address each of the hallmarks of cancer, including sustained proliferative signaling, evasion of growth suppression, invasion and metastasis, replicative immortality, angiogenesis, resisting cell death, genome instability and mutation, tumor promoting inflammation, deregulation of cellular energetics and avoidance of immune destruction. Lectures will integrate the biology behind these hallmarks with strategies for the treatment and prevention of cancer.
Prerequisite: BC 351 or BC 403, may be taken concurrently or BZ 310 or CM 501.
Registration Information: Credit not allowed for both ERHS 510 and VS 510.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VS 533  Epidemiology of Infectious Diseases/Zoonoses  Credits: 3 (2-0-1)
Also Offered As: MIP 533.
Course Description: Epidemiologic features of infectious and parasitic diseases that have a major impact on community medicine.
Prerequisite: MIP 300.
Registration Information: Must register for lecture and recitation. Credit not allowed for both MIP 533 and VS 533.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.
VS 562  Applied Data Analysis  Credits: 3 (3-0-0)
Course Description: Data management, application and interpretation of statistical analysis, and reporting of results for students in health science fields.
Prerequisite: STAT 301 or STAT 307.
Registration Information: Credit not allowed for VS 562, EDRM 606 and PBHL 560.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VS 570  Issues in Animal Agriculture  Credits: 2 (2-0-0)
Also Offered As: AGRI 570.
Course Description: Issues that have a major impact on the direction of changes in animal agriculture.
Prerequisite: None.
Registration Information: Credit not allowed for both VS 570 and AGRI 570.
Term Offered: Fall (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 579  Animal Behavior in Captive Populations  Credits: 3 (3-0-0)
Also Offered As: NSCI 579.
Course Description: How animals learn, perceive their world and behave, and how all of those intersect to alter behavior in captive settings.
Prerequisite: BZ 300.
Registration Information: Enrollment in the M.P.N.S., Zoo, Aquarium, and Shelter Management specialization can substitute for BZ 300. Credit not allowed for both VS 579 and NSCI 579.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VS 600  Clinical Correlations in Large Animal Med  Credit: 1 (1-0-0)
Course Description: Comprehensive review of selected medical diseases of both equine and livestock species in a case based format. Develop an advanced understanding of the pathophysiology, diagnosis, treatment and prevention of these diseases and become familiar with the pertinent primary literature of the last three years.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Sections may be offered: Online or Mixed Face-to-Face.
Terms Offered: Fall, Spring, Summer.
Grade Mode: S/U Sat/Unsat Only.
Special Course Fee: No.

VS 602  Scientific Evaluation of Medical Literature  Credits: 2 (1-0-1)
Course Description: Method of evaluating scientific literature. Designed as a practical, rather than theoretical, approach to a literature search. Encourages research of scientific publications. The different sources of databases available and the methods of retrieving the literature are addressed.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Must register for lecture and recitation.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VS 605  Comparative Anesthesiology  Credits: 2 (2-0-0)
Course Description: Techniques in anesthesia for large and small animals.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Term Offered: Spring (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 606  Comparative Anesthesiology Laboratory  Credit: 1 (0-3-0)
Course Description: Techniques in anesthesia for large and small animals.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Must have concurrent registration in VS 605.
Term Offered: Spring (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 612  Plastic and Reconstructive Surgery  Credits: 2 (2-0-0)
Course Description: Advances in surgical patient care, surgical instrumentation, and reconstruction.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: DVM degree or equivalent professional medicine degree.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VS 613  Plastic and Reconstructive Surgery Laboratory  Credit: 1 (0-3-0)
Course Description: Advances in surgical patient care, surgical instrumentation, and reconstruction.
Prerequisite: VM 786B.
Restriction: Must be a: Graduate, Professional.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VS 626  Infertility and Genital Disease  Credits: 2 (2-0-0)
Course Description: Infectious and noninfectious causes of reproductive failure in food animals.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Term Offered: Fall (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 628  Physiology and Pathophysiology  Credits: 3 (3-0-0)
Course Description: Overview of the normal physiology and pathophysiology of disease states of mammalian organ systems.
Prerequisite: BMS 500 and BMS 501.
Restriction: Must be a: Graduate, Professional.
Registration Information: Offered as Mixed Face-to-Face. DVM degree or equivalent professional medicine degree can substitute for BMS 500; BMS 501.
Term Offered: Fall (odd years).
Grade Mode: Traditional.
Special Course Fee: No.
VS 630 Orthopedic Surgery Credits: 3 (3-0-0)
Course Description: Techniques, devices, and prosthetic materials in rehabilitating musculoskeletal problems.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Term Offered: Fall (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 631 Orthopedic Surgery Laboratory Credit: 1 (0-3-0)
Course Description: Procedures applied to skeletal preparations and living animals.
Prerequisite: (VM 786A or VM 786B) and (VS 630, may be taken concurrently).
Restriction: Must be a: Graduate, Professional.
Term Offered: Fall (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 642 Ophthalmology Credits: 5 (4-2-0)
Course Description: Instrumentation, ocular therapeutics, and clinical ophthalmology.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Must register for lecture and laboratory.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VS 644 Principles of Theriogenology Credits: 2 (2-0-0)
Course Description: Provide basic and practical understanding of reproduction in domestic species. Including the anatomy and physiology of males and females, gamete development, fertilization, embryonic development, parturition and early neonatal care; focusing on domestic animals. In addition to basic normal physiology, characteristic disease states and potential treatments will be discussed, as well as methods for improving reproductive capabilities, such as artificial insemination and embryo transfer.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Written consent of instructor.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VS 645 Surgery of the Eye Credits: 3 (2-3-0)
Course Description: Techniques, indications, and complications.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Must register for lecture and laboratory.
Term Offered: Spring (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 648 Food Animal Production and Food Safety Credits: 2 (2-0-0)
Also Offered As: VM 648.
Course Description: Basic orientation to food animal production units, herd health concepts, and issues of food safety from preharvest through processing and distribution.
Prerequisite: None.
Restriction: Must be a: Graduate, Graduate cooperative program, Professional.
Registration Information: Enrollment in Food Science/Safety Graduate Interdisciplinary Studies program required. Credit not allowed for both VS 648 and VM 648.
Term Offered: Spring.
Grade Mode: Instructor Option.
Special Course Fee: No.

VS 650 Comparative Abdominal Surgery Credits: 3 (3-0-0)
Course Description: New techniques in surgery of abdominal viscera.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Term Offered: Fall (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 651 Comparative Abdominal Surgery Laboratory Credit: 1 (0-3-0)
Course Description: Reparative and reconstructive abdominal surgical procedures.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: DVM degree or equivalent professional medicine degree.
Term Offered: Fall (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 655A Veterinary Echocardiography: Fundamentals Credits: 2 (1-3-0)
Course Description: Fundamentals of small animal veterinary echocardiographic skills and interpretation are covered.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. Must register for lecture and laboratory.
Term Offered: Fall (even years).
Grade Mode: Traditional.
Special Course Fee: No.

VS 655B Veterinary Echocardiography: Advanced Topics Credits: 3 (3-0-0)
Course Description: High level analysis of echocardiographic techniques and applications in the clinical setting.
Prerequisite: VS 655A.
Restriction: Must be a: Graduate, Professional.
Registration Information: Admission to professional curriculum in veterinary medicine.
Term Offered: Spring (even years).
Grade Mode: Traditional.
Special Course Fee: No.

VS 660 Neurology and Neurosurgery Credits: 3 (3-0-0)
Course Description: Diagnostic and surgical techniques for the nervous system.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Term Offered: Spring (every third year).
Grade Mode: Traditional.
Special Course Fee: No.
VS 661  Neurology and Neurosurgery Laboratory  Credit: 1 (0-2-0)
Course Description: Laboratory practice of comparative neurology (large
and small animal), neurosurgical techniques and procedures.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. DVM degree
or equivalent professional medicine degree required.
Term Offered: Spring (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 665A  Advanced Topics in Veterinary Cardiology: Cardiopulmonary
Pathophysiology Credits: 3 (3-0-0)
Course Description: The pathobiology, advanced diagnostics, and
treatment strategies for animals and humans with spontaneous
cardiovascular disease.
Prerequisite: BMS 420.
Restriction: Must be a: Graduate, Professional.
Term Offered: Spring (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 665B  Advanced Topics in Veterinary Cardiology: Heart Failure and
Cardiac Biomarkers Credits: 2 (2-0-0)
Course Description: Review of the pathophysiology of heart failure.
Discuss the diagnostic and therapeutic approach to heart failure. Clinical
trial design will be reviewed prior to summarizing recent clinical trial
results in humans and dogs.
Prerequisite: BMS 420.
Restriction: Must be a: Graduate, Professional.
Registration Information: DVM degree or equivalent professional
medicine degree required, or by instructor permission.
Term Offered: Fall (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 665C  Advanced Topics in Veterinary Cardiology: Invasive
Catheterization & Hemodynamics Credits: 2 (2-0-0)
Course Description: Technical aspects of cardiac catheterization,
focusing on pathophysiologic data that can be obtained during invasive
catheterization procedures and interventional treatment options
available.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Term Offered: Spring (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 665D  Advanced Topics in Veterinary Cardiology: Cardiac
Electrophysiology & Arrhythmias Credits: 2 (2-0-0)
Course Description: Advanced review of cardiac electrophysiology
including ion channels, action potentials, cardiac conduction,
automaticity, and cellular mechanisms of arrhythmogenesis.
Interpretation of electrocardiogram and cardiac arrhythmia diagnosis
in animals and humans. Basic principles of treatment of cardiac
interventions including electrophysiology studies and interventions.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Credit not allowed for both VS 665D and VS
Term Offered: Fall (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 665E  Advanced Topics in Veterinary Cardiology: Cardiovascular
Imaging Credits: 2 (2-0-0)
Course Description: Highlight the pathobiology, advanced diagnostics,
and treatment strategies for animals with spontaneous cardiovascular
disease.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: DVM degree or equivalent professional
medicine degree required, or by instructor permission.
Term Offered: Spring (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 665F  Advanced Topics in Veterinary Cardiology: Congenital Heart
Disease Credits: 2 (2-0-0)
Course Description: Overview and in-depth analysis of congenital
malformations of the heart and great vessels in veterinary species,
with comparison to the same diseases in humans. Complex lesions are
emphasized, with a focus on pathophysiology, diagnostic findings, and
therapeutic interventions.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: DVM degree or equivalent professional
medicine degree required.
Term Offered: Fall (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 673  Thoracic and Cardiovascular Surgery Credits: 3 (3-0-0)
Course Description: Surgical approaches to the thorax and the central
and peripheral cardiovascular systems.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: DVM degree or equivalent professional
medicine degree required.
Term Offered: Fall (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 674  Thoracic and Cardiovascular Surgery Lab Credit: 1 (0-3-0)
Course Description: Surgical procedures applied to the chest, heart, and
vessels.
Prerequisite: (VM 786A or VM 786B) and (VS 673, may be taken
concurrently).
Restriction: Must be a: Graduate, Professional.
Term Offered: Fall (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 699  Thesis Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

VS 701  Postgraduate Medicine I Credits: Var[1-3] (0-0-0)
Course Description: Comprehensive review, update of immunology,
emergency medicine, dermatology, and endocrinology.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Term Offered: Fall (every third year).
Grade Mode: Traditional.
Special Course Fee: No.
VS 702 Postgraduate Medicine II Credits: Var[1-3] (0-0-0)
Course Description: Comprehensive review, update of neurology, gastroenterology, and ophthalmology.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Term Offered: Spring (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 703 Postgraduate Medicine III Credits: Var[1-3] (0-0-0)
Course Description: Comprehensive review, update of oncology, cardiology, reproduction, ophthalmology, and radiology.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Term Offered: Fall (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 704 Postgraduate Medicine IV Credits: Var[1-3] (0-0-0)
Course Description: Comprehensive review, update of hematology, nephrology, urology, respiratory, hepatic, and pancreatic.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Term Offered: Spring (every third year).
Grade Mode: Traditional.
Special Course Fee: No.

VS 716 Advanced Studies in Reproduction Credits: 2 (2-0-0)
Course Description: Biochemical and physiological basis for problems in reproduction.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VS 718 Cancer Biology Clinical Practicum Credits: 2 (0-0-4)
Course Description: Exposes graduate students engaged in laboratory cancer research to cancer from a clinical perspective, through VTH clinical rotations.
Prerequisite: ERHS 510 or VS 510.
Restriction: Must be a: Graduate, Professional.
Term Offered: Summer.
Grade Mode: Traditional.
Special Course Fee: No.

VS 732 Veterinary Sports Medicine and Rehabilitation Credit: 1 (1-0-0)
Also Offered As: VM 732.
Course Description: An introduction to the principles and practice of sports medicine and rehabilitation in veterinary medicine.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: VM 732: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program. VS 732: DVM or equivalent professional degree or consent of instructor.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VS 733 Advanced Veterinary Epidemiology Credits: 4 (4-0-0)
Course Description: Advanced epidemiological and statistical techniques for the design and analysis of research projects.
Prerequisite: (ERHS 532) and (ERHS 542 or ERHS 544 or STAR 511 or STAR 512 or VS 662).
Restriction: Must be a: Graduate, Graduate cooperative program, Professional.
Term Offered: Spring (odd years).
Grade Mode: Traditional.
Special Course Fee: No.

VS 750 Clinical and Applied Pharmacology Credits: 2 (2-0-0)
Course Description: Factors involved in drug dosing and variability of drug response. Applications in veterinary and human medicine.
Prerequisite: BMS 450.
Restriction: Must be a: Graduate, Professional.
Registration Information: DVM degree or equivalent professional medicine degree can substitute for BMS 450.
Term Offered: Spring (even years).
Grade Mode: Traditional.
Special Course Fee: No.

VS 760 Methods in Orthopaedic Research Credits: 3 (2-0-1)
Course Description: Methods utilized in orthopaedic research will be presented by reviewing basic principles followed by examples of use in research projects.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Must register for lecture and recitation.
Term Offered: Spring (odd years).
Grade Mode: Traditional.
Special Course Fee: No.

VS 784 Supervised College Teaching Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

VS 792 Seminar Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

VS 795A Independent Study: Small Animal Medicine Credits: Var[1-5] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Maximum of 5 credits allowed in course.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.
VS 795B Independent Study: Large Animal Medicine  Credits:  
Var[1-5] (0-0-0)  
Course Description:  
Prerequisite: None.  
Restriction: Must be a: Graduate, Professional.  
Registration Information: Maximum of 5 credits allowed in course.  
Terms Offered: Fall, Spring, Summer.  
Grade Mode: Instructor Option.  
Special Course Fee: No.

VS 795C Independent Study: Small Animal Surgery  Credits:  
Var[1-5] (0-0-0)  
Course Description:  
Prerequisite: None.  
Restriction: Must be a: Graduate, Professional.  
Registration Information: Maximum of 5 credits allowed in course.  
Terms Offered: Fall, Spring, Summer.  
Grade Mode: Instructor Option.  
Special Course Fee: No.

VS 795D Independent Study: Equine Surgery  Credits:  
Var[1-5] (0-0-0)  
Course Description:  
Prerequisite: None.  
Restriction: Must be a: Graduate, Professional.  
Registration Information: Maximum of 5 credits allowed in course.  
Terms Offered: Fall, Spring, Summer.  
Grade Mode: Instructor Option.  
Special Course Fee: No.

VS 795E Independent Study: Equine Orthopedics  Credits:  
Var[1-5] (0-0-0)  
Course Description:  
Prerequisite: None.  
Restriction: Must be a: Graduate, Professional.  
Registration Information: Maximum of 5 credits allowed in course.  
Terms Offered: Fall, Spring, Summer.  
Grade Mode: Instructor Option.  
Special Course Fee: No.

VS 795F Independent Study: Large Animal Reproduction  Credits:  
Var[1-5] (0-0-0)  
Course Description:  
Prerequisite: None.  
Restriction: Must be a: Graduate, Professional.  
Registration Information: Maximum of 5 credits allowed in course.  
Terms Offered: Fall, Spring, Summer.  
Grade Mode: Instructor Option.  
Special Course Fee: No.

VS 795G Independent Study: Anesthesiology  Credits:  
Var[1-5] (0-0-0)  
Course Description:  
Prerequisite: None.  
Restriction: Must be a: Graduate, Professional.  
Registration Information: Maximum of 5 credits allowed in course.  
Terms Offered: Fall, Spring, Summer.  
Grade Mode: Instructor Option.  
Special Course Fee: No.

VS 795H Independent Study: Cardiology  Credits:  
Var[1-5] (0-0-0)  
Course Description:  
Prerequisite: None.  
Restriction: Must be a: Graduate, Professional.  
Registration Information: Maximum of 5 credits allowed in course.  
Terms Offered: Fall, Spring, Summer.  
Grade Mode: Instructor Option.  
Special Course Fee: No.

VS 795J Independent Study: Neurology  Credits:  
Var[1-5] (0-0-0)  
Course Description:  
Prerequisite: None.  
Restriction: Must be a: Graduate, Professional.  
Registration Information: Maximum of 5 credits allowed in course.  
Terms Offered: Fall, Spring, Summer.  
Grade Mode: Instructor Option.  
Special Course Fee: No.

VS 795K Independent Study: Dermatology  Credits:  
Var[1-5] (0-0-0)  
Course Description:  
Prerequisite: None.  
Restriction: Must be a: Graduate, Professional.  
Registration Information: Maximum of 5 credits allowed in course.  
Terms Offered: Fall, Spring, Summer.  
Grade Mode: Instructor Option.  
Special Course Fee: No.

VS 795L Independent Study: Ophthalmology  Credits:  
Var[1-5] (0-0-0)  
Course Description:  
Prerequisite: None.  
Restriction: Must be a: Graduate, Professional.  
Registration Information: Maximum of 5 credits allowed in course.  
Terms Offered: Fall, Spring, Summer.  
Grade Mode: Instructor Option.  
Special Course Fee: No.

VS 795M Independent Study: Epidemiology  Credits:  
Var[1-5] (0-0-0)  
Course Description:  
Prerequisite: None.  
Restriction: Must be a: Graduate, Graduate cooperative program, Professional.  
Registration Information: Maximum of 5 credits allowed in course.  
Terms Offered: Fall, Spring, Summer.  
Grade Mode: Instructor Option.  
Special Course Fee: No.

VS 795N Independent Study: Herd Health Management  Credits:  
Var[1-5] (0-0-0)  
Course Description:  
Prerequisite: None.  
Restriction: Must be a: Graduate, Professional.  
Registration Information: Maximum of 5 credits allowed in course.  
Terms Offered: Fall, Spring, Summer.  
Grade Mode: Instructor Option.  
Special Course Fee: No.

VS 795O Independent Study: Equine Lameness  Credits:  
Var[1-5] (0-0-0)  
Course Description:  
Prerequisite: None.  
Restriction: Must be a: Graduate, Professional.  
Registration Information: Maximum of 5 credits allowed in course.  
Terms Offered: Fall, Spring, Summer.  
Grade Mode: Instructor Option.  
Special Course Fee: No.
VS 795T Independent Study: Human-Animal Bond  Credits: Var[1-5] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Maximum of 5 credits allowed in course.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

VS 795U Independent Study: Oncology  Credits: Var[1-10] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

VS 796 Group Study-Medicine  Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Graduate cooperative program, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

VS 798 Research  Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

VS 799 Dissertation  Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.