

**499. Landscape Architecture Design Thesis**  
Spring, Summer. 5(1-8) Senior majors.

Demonstration of analytical, creative and technical competencies in the development of methods and/or concepts leading to design solutions for contemporary landscape architecture problems.

## VETERINARY MEDICINE V M (COLLEGE OF)

### 500A. Introduction to Veterinary Medicine I

(SSM 501.) Summer. 2(2-0) Admission to professional veterinary program.

Species and breed identification, predisposition for specific diseases, basic care and feeding, restraint and handling of small domestic animals, unusual pets, and laboratory animals.

### 500B. Introduction to Veterinary Medicine II

Fall. 2(2-0) Second-term Veterinary Medicine students.

Large animal practice present and future. Fundamentals of equine conformation, gaits, shoeing, feeding and routine medical care. Economics and management factors in diseases of food animals.

### 500C. Introduction to Veterinary Medicine III

(LSM 503.) Winter. 4(3-3) Third-term Veterinary Medicine students.

Physical and systemic examination of the various domestic and laboratory species. Common restraint procedures, clinical skills, diagnostics and an approach to clients are included.

### 500D. Introduction to Veterinary Medicine IV

(SSM 502.) Spring. 4(3-3) Fourth-term Veterinary Medicine students.

Anesthetic principles, agents and techniques. Basic surgical principles, including aseptic technic, hemostasis, wound healing, suturing and suturing materials. Fundamentals of radiology.

### 500E. Introduction to Veterinary Medicine V

Spring. 3(3-0) Fourth-term Veterinary Medicine students.

Emphasis on behavior of animals relating to disease prevention and treatment. Lectures, discussions and demonstrations on veterinary ethology including animal communications, reproduction, restraint, handling, housing and feeding habits.

### 501. Client Communication

(500.) Spring. 1(0-2) Fourth-term Veterinary Medicine students.

Communication and interviewing skills as the basis for establishing and maintaining effective client relationships.

### 502. Metabolic Diseases, Endocrinology and Epidemiology

Summer. 4(4-0) Fifth-term Veterinary Medicine students.

Biochemical and physiological basis of metabolic and endocrine diseases of animals including diagnosis, treatment and management. Principles of epidemiology and their application in the study of diseases in animal populations.

### 504. Urinary and Hematopoietic Systems

Summer. 6(4-6) Fifth-term Veterinary Medicine students.

Integrative approach to the understanding of the urinary system in health and disease of animals. Pathogenesis, diagnosis, and clinical management of diseases of the hemopoietic and lymphoid organs and tissues.

### 510. Survey of Infectious Agents

Fall. 4(4-0) Sixth-term Veterinary Medicine students.

Host-microorganism relationship in diseases of animals; laboratory diagnosis, treatment, control, and public health significance will be emphasized.

### 512. Nervous System

Fall. 3(2-1) Sixth-term Veterinary Medicine students.

Normal and abnormal neural structure and function in animals with emphasis on clinical neurology and neuropathology.

### 514. Cardiovascular and Respiratory Systems

Fall. 7(5-6) Sixth-term Veterinary Medicine students.

Pathogenesis, diagnosis, and management of cardiovascular and respiratory diseases of animals; anatomical, physiological, and pharmacological principles providing basis for medical and surgical treatment will be emphasized.

### 516. Reproductive System

Fall. 5(4-3) Sixth-term Veterinary Medicine students.

Reproductive diseases of animals with emphasis on genital structure and function, endocrine interrelationships, methods for examination of mammary gland and reproductive tract, diagnosis, and treatment.

### 518. Diagnostic and Surgical Procedures

Fall. 2(0-6) Sixth-term Veterinary Medicine student.

Demonstration and performance of some procedures applicable to nervous, reproductive, and respiratory systems.

### 520. Veterinary Public Health

Winter. 3(3-0) Seventh-term Veterinary Medicine students.

Public health aspects of veterinary medicine; the nature of laws, ordinances, and regulations; and veterinary medicine's role in the protection of the environment, ecology, and insurance of food hygiene.

### 522. Digestive System and Nutrition

Winter. 9(6-9) Seventh-term Veterinary Medicine student.

Pathogenesis, diagnosis, and treatment of diseases of the alimentary tract and digestive organs of animals. Recognition and rational therapy of nutritional diseases in animals.

### 524. Integumentary System

Winter. 4(3-3) Seventh-term Veterinary Medicine students.

Diseases of the integumentary system of animals with emphasis on laboratory examinations, interpretations of pathological features, diagnosis, and treatment.

### 526. Musculoskeletal System I

Winter. 4(2-6) Seventh-term Veterinary Medicine students.

Diagnosis and treatment of musculoskeletal diseases of animals with emphasis on pathological changes, radiological technics, and interpretation of radiographs. Surgical procedures applicable to small animals will be demonstrated.

### 530. Veterinary Toxicology

Spring. 4(4-0) Eighth-term Veterinary Medicine students.

Pharmacological basis and pathological features of diseases of animals caused by common toxic chemicals with emphasis on clinical manifestations, diagnosis, prevention, and treatment.

### 532. Visual and Auditory Systems

Spring. 3(2-3) Eighth-term Veterinary Medicine students.

Methods of examination, diagnosis, and treatment of diseases involving the eyes or ears of animals with emphasis on the anatomical, physiological, and pathological features.

### 534. Musculoskeletal System II

Spring. 5(2-9) Eighth-term Veterinary Medicine student.

Diagnosis, prognosis, and management of musculoskeletal diseases of the equine with emphasis on anatomical relationships to normal and abnormal function. Surgical procedures applicable to equine and ruminant will be performed.

### 536. Orthopedic Surgery

Spring. 6(4-6) Eighth-term Veterinary Medicine students.

Principles of orthopedic surgery and anatomical relations of the musculoskeletal systems in the canine and feline.

### 538. Veterinary Medical History, Ethics, Jurisprudence, and Epidemiology

Spring. 2(2-0) Eighth-term Veterinary Medicine students.

Historical background, ethical principles, and legal responsibilities of the veterinary medical profession. Epidemiological problems will be resolved and discussed.

## ZOOLOGY

## ZOL

College of Human Medicine  
College of Natural Science  
College of Osteopathic Medicine

### IDC. Resource Ecology and Man

For course description, see Interdisciplinary Courses.

### 301. Nature and Man

Spring. 4(2-6) Three terms of natural science; not open to zoology majors.

Relates man to his natural environment. Chief emphasis on identifying characteristic animal life in broad areas of nature and how man fits or misfits into these. Lectures, laboratory and field trips illustrate this relationship.