

**958. Seminar in Collective Bargaining**  
Spring. 4(3-0) EC 858 or approval  
of school.  
Critical study of selected contemporary areas  
and issues in collective bargaining.

## **LABORATORY ANIMAL RESOURCES LAR**

### **College of Veterinary Medicine**

**501. Introduction to Veterinary  
Medicine I**  
Summer. 2(2-0) Admission to pro-  
fessional veterinary program. Interdepartmental  
with and administered by the Small Animal  
Surgery and Medicine Department.

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

**824. Laboratory Animal Medicine**  
(VSM 824.) Fall, Spring. 3(2-3)  
Completion of ninth-term professional Veteri-  
nary Medicine program.

Basic physiologic data, housing requirements,  
genetics, breeding systems, diseases, humane  
practices, and nutrition, of major laboratory  
animal species; administration of animal quar-  
ters, techniques of handling and treatment.

**825. Comparative Medical  
Experimentation**  
Winter. 2(1-3) Graduate status, B.S.  
in biological sciences and approval of depart-  
ment.

Critical analysis of animal experimentation re-  
ported in biological journals related to the  
students' interest with special emphasis on  
effects of environment and host variables upon  
validity of experimental results.

**826. Laboratory Animal Pathology**  
Spring. 4(3-3) Graduate status and  
approval of department. Interdepartmental with  
the Department of Pathology.

Macro and microscopic studies on the diseases  
of laboratory animals, with special emphasis on  
naturally-occurring diseases which might inter-  
fere with the interpretation of experimental  
results.

## **LANDSCAPE ARCHITECTURE**

See Urban Planning and Landscape Architecture

## **LARGE ANIMAL SURGERY AND MEDICINE LSM**

### **College of Veterinary Medicine**

**412. Livestock Hygiene and Disease  
Control**  
(VSM 412.) Winter. 3(3-0) Jun-  
iors; Agriculture majors.

Fundamentals of health and disease in animals,  
relation of infectious and parasitic diseases of  
animals to human health, disease prevention  
and role of veterinarian in preventive medicine.

**488. The Impact of Animal Resource  
Management Upon the World's  
Developing Nations**  
Winter. 3(4-0)  
For course description, see Interdisci-  
plinary Courses.

**502. Introduction to Veterinary  
Medicine II**  
Spring. 4(3-3) Admission  
to the professional veterinary program. Inter-  
departmental with and administered by the  
Small Animal Surgery and Medicine Depart-  
ment.  
Anesthetic principles, agents, and techniques.  
Basic surgical principles, including aseptic  
technic, hemostasis, wound healing, suturing  
and suturing materials. Fundamentals of radi-  
ology.

**503. Introduction to Veterinary  
Medicine III**  
Spring. 4(3-3) Admission to profes-  
sional veterinary program. Interdepartmental  
with the Department of Small Animal Surgery  
and Medicine.

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

**505. Large Animal Clinic I**  
Fall, Winter, Spring, Summer. 3(0-10)  
Eighth-term or ninth-term Veterinary Medicine  
students.

Clinical instruction and experience in diagnosis,  
patient care, medication, surgery, disease pre-  
vention, and herd health.

**521. Large Animal Surgery and  
Medicine I**  
(VSM 521.) Fall, Spring. 8(7-3)  
Seventh-term Veterinary Medicine students.

Occurrence, etiology, symptomatology, diagnosis,  
prognosis, treatment and prevention of diseases  
of reproductive, digestive, and respiratory sys-  
tems. Demonstrations of laboratory experience  
in basic clinical skills including restraint, diag-  
nosis, medication, and surgery.

**522. Large Animal Surgery and  
Medicine II**  
(VSM 522.) Winter, Summer. 6(5-3)

521.  
Occurrence, diagnosis and treatment of surgical  
diseases of large animals. Discussion of dis-  
eases of cardiovascular, hematopoietic, urinary,  
nervous and integumentary systems. Demonstra-  
tions and laboratory experience in large animal  
surgery techniques.

**523. Large Animal Surgery and  
Medicine III**  
(VSM 523.) Fall, Spring. 7(7-0)

522.  
Occurrence, diagnosis and treatment of surgical  
and reproductive diseases. Includes radiology  
and diseases of locomotion.

**531. Meat Hygiene**  
(VSM 531.) Fall, Spring. 2(2-0)  
Ninth-term Veterinary Medicine students.

Judging fitness of meat for human consumption  
based on a knowledge of bacteriology, para-  
sitology and pathology. Organization and oper-  
ation of meat inspection programs. Field trip  
required.

**605. Large Animal Clinic II**  
(VSM 605.) Fall, Winter, Spring,  
Summer. 12(0-36) 505.

Advanced clinical instruction and experience in  
diagnosis, patient care, medication, surgery, dis-  
ease prevention, and herd health. Includes  
handling of clinic patients under direct super-  
vision of staff veterinarians and ambulatory  
clinic.

**624. Large Animal Surgery and  
Medicine IV**  
(VSM 624.) Winter, Summer. 4(4-0)

523.  
Etiology, pathogenesis, epidemiology, pathologi-  
cal changes, differential diagnosis, prevention,  
control and treatment of specific infectious dis-  
eases of large animals.

**630. Veterinary Economics and  
Practice Management**  
(VSM 630.) Fall, Spring. 3(3-0)  
Veterinary medicine students.  
Management and business principles of veteri-  
nary medical practice.

**809. Problems in Large Animal  
Surgery**  
(VSM 809.) Fall, Winter, Spring,  
Summer. Variable credit.

**811. Problems in Large Animal  
Medicine**  
(VSM 811.) Fall, Winter, Spring,  
Summer. Variable credit.

**813. Seminar**  
(VSM 813.) Fall, Winter, Spring. 1  
credit.

**823. Special Surgery**  
(VSM 823.) Spring. 3(1-6) May re-  
enroll for a maximum of 6 credits. Approval  
of department.  
Surgical techniques and tissue reactions follow-

**899. Research**  
(VSM 899.) Fall, Winter, Spring,  
Summer. Variable credit. May re-enroll for  
a maximum of 18 credits. Approval of de-  
partment.  
Research on thesis problems.

## **LATIN**

See Romance Languages

## **LINGUISTICS AND ORIENTAL AND AFRICAN LANGUAGES**

### **College of Arts and Letters**

Courses in CHINESE and JAPANESE on the 300  
level or higher are normally conducted in the  
language.

### **Linguistics and Oriental and African Language Courses LOA**

**299. Special Projects**  
Fall, Winter, Spring, Summer. Variable  
credit. May re-enroll for a maximum of 18  
credits. Approval of department.  
Work in areas outside regular course offerings.

**499. Special Projects**  
Fall, Winter, Spring, Summer. Variable  
credit. May re-enroll for a maximum of 18  
credits. Approval of department.  
Work in areas outside regular course offerings.