VLCS 622 Equine Epidemiology and Infectious Diseases  
Credits 3.3 Lecture Hours.  
Principles and methods of epidemiology applied to equine health and prevention and control of selected equine infectious diseases.  
Prerequisite: Enrollment in equine certificate and graduate classification, or approval of instructor.

VLCS 681 Seminar  
Credit 1.1 Lecture Hour.  
Oral communication of current research and selected topics in large animal veterinary medicine and clinical research methodology to include lectures, presentations, interviews, and discussions.  
Prerequisite: Approval of instructor.

VLCS 685 Directed Studies  
Credits 1 to 8.1 to 8 Other Hours.  
Original investigations of problems in the field of large animal surgery, therapeutics, preventive veterinary medicine or radiology. May be repeated for credit.  
Prerequisites: Approval of instructor.

VLCS 691 Research  
Credits 1 to 23.1 to 23 Other Hours.  
Research for thesis.

VLCS 930 Advanced Equine Medicine and Surgery  
Credits 3.3 Lecture Hours.  
Advanced diagnostic techniques and management strategies for species specific disorders of horses.  
Prerequisite: Enrollment in the third year of professional curriculum.

VLCS 931 Advanced Ruminant Medicine and Surgery  
Credits 2.2 Lecture Hours.  
Advanced diagnostic techniques and management strategies for species specific disorders of ruminant species.  
Prerequisite: Enrollment in the third year of professional curriculum.

VLCS 932 Advanced Ruminant Herd Health and Production  
Credits 2.2 Lecture Hours.  
Principles needed to provide veterinary services to populations of ruminants including preventive health programs, record keeping and approaches to controlling herd/flock disease outbreak or production shortfalls.  
Prerequisite: Third year veterinary student.

VLCS 940 Large Animal Clinics I  
Credits 2.35 Lab Hours.  
Student participation with clinical cases in the large animal medicine services of the Veterinary Teaching Hospital. Must be taken two times.  
Prerequisite: Fourth year classification in veterinary medicine or approval of department head.

VLCS 941 Large Animal Clinics II  
Credits 2.35 Lab Hours.  
Student participation with clinical cases in the large animal surgery services of the Veterinary Teaching Hospital. Must be taken two times.  
Prerequisite: Fourth year classification.

VLCS 945 Advanced Large Animal Clinical Elective  
Credits 2.35 Lab Hours.  
Student participation with clinical cases for advanced study in selected services from the large animal medicine, surgery, theriogenology and field services of the Veterinary Teaching Hospital. May be taken 12 times.  
Prerequisite: Fourth year classification.

VLCS 948 Large Animal Medicine and Surgery Elective  
Credits 1 to 12.1 to 12 Lecture Hours.  
In-depth study of selected disease processes in the various disciplines of large animal medicine and surgery will be conducted emphasizing management, diagnostics and medical or surgical treatment. May be repeated for credit.  
Prerequisite: Third year classification in veterinary medicine or approval of department head.

VLCS 953 Large Animal Clinical Skills  
Credit 1.4 Lab Hours.  
Acquisition of basic technical skills useful in the diagnosis and treatment of large animals in general veterinary practice. Modular one month course.  
Prerequisite: Third year classification in veterinary medicine in good standing.

VLCS 954 Large Animal Medicine  
Credits 6.5 Lecture Hours. 4 Lab Hours.  
Medical disease of large animals; pathophysiology, diagnosis and therapy of diseases in large animals.  
Prerequisite: Third year classification in veterinary medicine in good standing.

VLCS 985 Directed Studies  
Credits 1 to 4.1 to 4 Other Hours.  
Directed individual study of a selected problem in large animal medicine, surgery or radiology. May be repeated for credit.  
Prerequisites: Enrollment in veterinary medicine and approval of the department head.