

# VLCS - VET LARGE ANIMAL CLIN SC

## VLCS 601 Interpreting Clinical Evidence

**Credits 2. 2 Lecture Hours.** Introduction of skills needed for critical appraisal of clinical evidence from research papers, with emphasis on diagnostic, therapeutic, and prognostic studies. **Prerequisite:** Enrollment in the non-thesis Master of Science in Biomedical Sciences or graduate classification.

## 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 910 Integrated Animal Care II

**Credits 2. 1 Lecture Hour. 2 Lab Hours.** Foundation in companion animal and large animal veterinary care; focus on day-one veterinary wellness and preventive care and herd-health concepts; exposure includes companion animal species, common large animal species, pocket pets, reptiles, camelids, miniature pigs and birds; clinical application of topics including neonatal care, husbandry practices, animal behavior, parasite prevention, immunization protocols and healthy animal nutrition. **Prerequisites:** Enrollment in the first year of professional DVM curriculum.

## VLCS 924 Diagnostic Imaging & Interpretation I

**Credits 2. 1 Lecture Hour. 2 Lab Hours.** Diagnostic Imaging & Interpretation I. Fundamentals of diagnostic evaluation of radiographic and ultrasonographic images in companion animals; focus on importance of diagnostic and therapeutic imaging. **Prerequisite:** Enrollment in the second year of professional DVM curriculum.

## VLCS 925 Diagnostic Imaging & Interpretation II

**Credits 2. 2 Lecture Hours.** Diagnostic Imaging & Interpretation II. Fundamentals of diagnostic evaluation of radiographic and ultrasonographic images in small and large animals; focus on importance of diagnostic and therapeutic imaging. **Prerequisite:** Enrollment in the third year of professional DVM curriculum.

## VLCS 926 Professional & Clinical Skills IV

**Credits 3. 1 Lecture Hour. 6 Lab Hours.** Professional & Clinical Skills IV. Integration and reinforcement of foundational knowledge offered in concurrent courses through critical thinking exercises, professional skills application activities (ethics/contextual decision-making, leadership, skills for well-being, personal/practice financial literacy, core communication skills), and application of technical skills; opportunities for learning include didactic, hands-on and case-based interactions utilizing simulation, models, animals, actors and case scenarios; part IV of a VI part series. **Prerequisite:** Enrollment in the second year of professional DVM curriculum.

## 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 956 Large Animal Diagnostics & Therapeutics I

**Credits 3.5. 3.5 Lecture Hours.** Large Animal Diagnostics & Therapeutics I. Foundational content for the diagnosis, treatment and prevention of common diseases and conditions of horses, cattle, sheep, goats, pigs and poultry; promotes successful entry into large animal and rural practice. **Prerequisite:** Enrollment in the third year of professional DVM curriculum.

## VLCS 957 Large Animal Diagnostics & Therapeutics II

**Credits 3.5. 3.5 Lecture Hours.** Large Animal Diagnostics & Therapeutics II. Foundational content for the diagnosis, treatment and prevention of common diseases and conditions of horses, cattle, sheep, goats, pigs and poultry; promotes successful entry into large animal and rural practice. **Prerequisite:** Enrollment in the third year of professional DVM curriculum.

## VLCS 958 Career-Focus Tracking I - Food Animal

**Credits 2. 2 Lecture Hours.** Promote integration of previous and concurrent curricular content to diagram successful approaches to developing herd health plans, investigating and controlling herd production shortfalls and investigating disease outbreaks; opportunities to gain experience in communicating effectively with producers in written and verbal formats; didactic and hands-on observation of production systems on farms to offer interactions with producers and veterinary professionals; primary focus on domestic livestock production system components which may be applied to any species population system. **Prerequisite:** Enrollment in the third year of professional DVM curriculum.

## VLCS 959 Clinical Focus-Tracking I - Equine

**Credits 2. 2 Lecture Hours.** Application of advanced topics in pathophysiology, diagnostics, medical and surgical management and prevention of equine diseases; emphasis on case-based learning and problem-solving skills. **Prerequisite:** Enrollment in the third year of professional DVM curriculum.

## VLCS 960 Clinical Focus-Tracking II - Equine

**Credits 2. 2 Lecture Hours.** Application of advanced topics in pathophysiology, diagnostics, medical and surgical management and prevention of equine diseases; emphasis on case-based learning and problem-solving skills. **Prerequisite:** Enrollment in the third year of professional DVM curriculum.

## VLCS 961 Career-Focus Tracking II - Food Animal

**Credits 2. 2 Lecture Hours.** Problem-solving of clinical herd and individual animal cases for beef and dairy cattle and small ruminants; builds on medical and surgical diseases of the ruminant, swine from large animal diagnostics and therapeutics and food animal career-focus tracking I. **Prerequisite:** Enrollment in the third year of professional DVM curriculum.

## 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.

## VLCS 988 Large Animal Medicine and Surgery Selective

**Credits 2. 2 Lecture Hours.** In-depth study of selected disease processes in the various disciplines of large animal medicine and surgery; emphasis on management, diagnostics and medical treatment or therapeutic approaches. **Prerequisites:** Third year classification in veterinary medicine and in good standing. May be taken for credit up to eight hours.