

# VETERINARY CLINICAL SCIENCES (VCS)

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## VCS 7003 Elective I

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Students required to choose four electives. Two of those electives on-campus. Two electives may be off-campus.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

## VCS 7013 Elective II

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Students required to choose four electives. Two of those electives on-campus. Two electives may be off-campus.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

## VCS 7023 Elective III

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Students required to choose four electives. Two of those electives on-campus. Two electives may be off-campus.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

## VCS 7033 Elective IV

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Students required to choose four electives. Two of those electives on-campus. Two electives may be off-campus.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

## VCS 7703 Intensive Care Clinic

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Clinical rotation in small animal intensive care/critical and emergency medicine. Letter graded.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

## VCS 7713 Radiology Clinic

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Diagnostic radiography, ultrasound, and other special imaging modalities.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

## VCS 7723 Equine Med Clinic

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Diagnosis, prognosis, treatment and prevention of equine medical diseases.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

## VCS 7733 Community Practice

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Receiving and managing emergency and general medical and surgical cases in companion animals.

**Credit hours:** 3

**Contact hours:** Lab: 9

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

## VCS 7743 Small Animal Internal Medicine

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Diagnosis, prognosis, treatment and prevention of companion animal medical diseases.

**Credit hours:** 3

**Contact hours:** Lab: 9

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

## VCS 7753 Small Animal Surgery Clinic

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Diagnosis, prognosis, treatment, and prevention of companion animal surgical diseases.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

## VCS 7763 Food Animal Medicine Clinic

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Diagnosis, prognosis, treatment and prevention of diseases of food animal medical and surgical diseases.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

## VCS 7773 Large Animal Theriogenology Elective

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Management of breeding cattle and horses at the Center for Veterinary Health Sciences Ranch, including artificial insemination, treatment of infertility, periparturient management, and pediatrics. Previously offered as VCS 7770.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7780 Zoo Medicine**

**Credit hours:** 3-6

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7783 Zoological Medicine Clinic**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Health maintenance, diagnosis and treatment of medical or surgical conditions in zoo, exotic pet and wildlife species. Additional fee of \$50.00 per credit hour applies. Previously offered as VCS 7780.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7793 Equine Surgery Clinic**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Diagnosis, prognosis, treatment, and prevention of equine surgical diseases.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7803 Clinic Pool**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Semi-elective clinical assignment. Graded on a pass-fail basis.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7813 Externship Clinic**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Diagnosis, prognosis, prevention and treatment of disease of animals presented in the externship program. Graded on a pass-fail basis. Previously offered as VCS 7700.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7823 Non-OSU Clinic**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Approved clinical rotations off the OSU campus. Graded on a pass-fail basis. Previously offered as VCS 7710.

**Credit hours:** 3

**Contact hours:** Lecture: 1 Lab: 2

**Levels:** Professional

**Schedule types:** Lab, Lecture, Combined lecture and lab

**Department/School:** Veterinary Clinical Sci

**VCS 7833 Special Clinics Elective**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine or graduate veterinarian.

**Description:** Special assignments for introductory clinical studies in the following: selected species clinic; herd-health program; necropsy, clinic pathology and parasitology; diagnostic laboratory; and special aspects of the basic sciences. Graded on a pass-fail basis. Previously offered as VCS 7720.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7843 Anesthesiology**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Management of clinical anesthesia in various domestic species.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7853 Equine Performance Medicine Elective**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine and VMED 7771, VMED 7811 and VMED 7821.

**Description:** Common diagnostic techniques used in equine sports medicine will be systematically reviewed in a "hands-on" approach. This will include performing pre-purchase and lameness examinations, diagnostic nerve blocks, ultrasound, and radiology. At least three "field trips" will be utilized to increase exposure to different equine sports including race track, horse show, and endurance competitions. Graded on a pass-fail basis. Additional fee of \$50.00 per credit hour applies.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7863 Clinical Pathology and Parasitology Elective**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Students will work with clinical pathology residents and laboratory personnel. Emphasis is placed on cytology, hematology, and parasitology. Each student will spend one week in each area. Graded on a pass-fail basis. Previously offered as VCS 7790.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7873 Ultrasound Elective**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine and VMED 7443.

**Description:** Participants will attend radiology rounds daily as well as observing and/or performing diagnostic ultrasound exams on common domestic animal species, and, when not actively participating in a clinical ultrasound study, in library research on the subject of diagnostic ultrasound, including, but not limited to, viewing a CD, reading textbooks and journal articles on the subject and examining prepared ultrasound case studies containing diagnostic challenges and problems to solve.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7883 Animal Shelter Elective**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine and VMED 7443 or VMED 7412 and one surgery rotation.

**Description:** The goals of this rotation are to apply basic clinical, surgery and anesthesia skills primarily to pet adoption candidates. Graded on a pass-fail basis.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7893 Field Services (Ambulatory) Elective**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Allows students to gain confidence in various clinical procedures common in field practice; to become familiar with the more common diseases and conditions that occur in the farm species; to learn how to move/direct livestock, study, review, and prepare cases seen or for surgery; actively participate in rounds and "on the road" discussions, and learn to communication with clients.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7903 Ophthalmology Elective**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** This is a three week clinical rotation in small animal, equine, exotic animals, and food animal ophthalmology. Students will take part in outpatient receiving including history taking, ophthalmic examination, forming a problem list and case assessment, and forming a treatment plan. Students will assist in surgery and be responsible for the care of all hospitalized patients. Students will also assist with after-hours ophthalmic emergencies. Ophthalmology students also share EMS and isolation ward duties.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7912 Grand Rounds**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** Presentation and discussion of selected clinical topics by fourth-year students, departmental faculty, and invited experts. Letter graded.

**Credit hours:** 2

**Contact hours:** Other: 2

**Levels:** Professional

**Schedule types:** Independent Study

**Department/School:** Veterinary Clinical Sci

**VCS 7913 Cardiology Elective**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** This is a three week clinical rotation in cardiology.

Students will take part in outpatient receiving including history taking, cardiovascular examination, forming a problem list and case assessment and forming a treatment plan. Students will be responsible for preoperative and postoperative care of patients as well as the care of all hospitalized patients. Students will also assist with after-hours cardiology emergencies. Cardiology students also share EMS and isolation ward duties. Graded on a pass-fail basis.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7923 Oncology Elective**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** All three week rotations will provide a clinical, comprehensive, and in-depth learning experience from patients with cancer. Instruction and guidance will be provided by "Instructor of Record" for the course.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7933 Hospital Based Theriogenology Elective**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** This rotation will admit and provide care as the primary students - with assistance from the surgery and internal medicine departments to cases that are presented to the VTH with a primary theriogenology component. Managed companion animal cases will include canine C-sections, canine breeding cycle management, canine pyometras, and canine prostatic cases. Food animal cases include bovine dystocias, bovine BSEs, bull preputial lacerations, small ruminant dystocias, etc. Morning case rounds in the surgery and medicine sections of the hospital (both small and large animal) will be attended when case responsibility is shared with those sections.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci

**VCS 7943 Applied Diagnostic Medicine & Laboratory Investigations**

**Prerequisites:** Fourth-year standing in the College of Veterinary Medicine.

**Description:** This course offers hands-on experience in the diagnosis of diseases commonly seen at the OADDL. Instruction will include necropsy examinations, observation and participation in ancillary laboratory sections (e.g. bacteriology, histology, serology, Toxicology and virology), case simulations, and close interaction with OADDL faculty and staff. Case simulations will be utilized to encourage the development of problem lists, differential lists, and a plan of action for a wide variety of diseases in domestic and wildlife species.

**Credit hours:** 3

**Contact hours:** Lab: 6

**Levels:** Professional

**Schedule types:** Lab

**Department/School:** Veterinary Clinical Sci