

Second Year Elective Courses – Spring 2021 Semester

Tuesday 1pm – 1:50pm

- **VAP 891 B – Animal Care & Welfare – Dr. Abbie Viscardi – 1 Credit**
This course will describe the veterinarian's role in protecting the health and welfare of animals. Students will be introduced to the major philosophical positions of animal use. The evolution of animal welfare science will be discussed and students will learn how to assess the welfare of companion, laboratory, zoo and food animals. Common causes of reduced animal welfare and ethical dilemmas will be covered.
- **VCS 820 – Topics in Global Medicine – Dr. Walter Renberg – 1 Credit (Max # of Students – 25)**
An overview of the role of veterinarians around the world. Topics include international uses and attitudes about animals, problems the world faces pertaining to livestock production, and social tensions.
- **VCS 891 L – Issues in Rural Practice – Dr. Brad White – 1 Credit**
This course will include a variety of topics affecting rural veterinary practice and the format is a short didactic lecture each week followed by facilitated discussion with the students. Speakers will include KSU CVM faculty, KSU faculty from other departments, and experts from outside KSU. Each presentation will describe an issue impacting rural practice and be followed by a question/answer and discussion session among students and guest speaker.
- **VCS 891 P – Bovine Theriogenology – Dr. Ronnie Elmore – 1 Credit**
This class is designed to provide students enrolled in the veterinary curriculum a very practical knowledge base regarding bovine reproduction.
- **VDMP 891 A – Ecotoxicology – Dr. Derek Mosier – 1 Credit**
It will be an elective course in ecotoxicology aimed at DVM students with interests in wildlife and public health. Students will examine the interface between toxicology and ecology, including the toxic effects of natural and synthetic pollutants on ecosystem health and ecosystem services. Students will develop an appreciation and understanding of the mechanisms and processes that lead to ecotoxicity. They will also be introduced to the methodologies involved in assessing ecotoxic effects, and how ecotoxicological considerations impact industry and society.

Tuesday/Friday 1pm – 1:50pm

- **VDMP 891 B – Lab Animal Science – Dr. Sally Olson – 2 Credits**
Management and health of common species of laboratory animals. Pre-requisite for 4th year CS 763 Lab Animal Medicine.

Friday 12pm – 1:50pm

- **VAP 891 A – Special Interest Anatomy – Dr. Pradeep Malreddy – 1 Credit**
A two hour dissection lab which will allow the student to explore more deeply the gross anatomy of a particular species of interest or across species a particular region of the body of interest. Dissection of specimens other than canine will require the student to make prior arrangements with the instructor to schedule a semester when materials and specimens are available.

Friday 1pm – 1:50pm

- **VAP 891 C – Comparative Embryology – Dr. Judy Klimek – 1 Credit**
An overview of development anatomy as it relates to clinically important developmental defects and/or normal structure and function of common domestic animals.
- **AP 780 E – Applied Anatomy – Dr. Dylan Lutter – 1 Credit**
During this 15-week course, the student will gain a deeper knowledge of the musculoskeletal system and will integrate the anatomy learned in the veterinary gross anatomy courses to meet course objectives with regards to the dog and horse. Emphasis will be on 1) how the muscles of the thoracic and pelvic limbs move the body, 2) how learned knowledge of anatomic landmarks of the major muscle groups and joints is required for gait analysis and the basic physical examination, 3) how to apply knowledge of relevant anatomical landmarks when approaching many body system examinations and diagnostic/ therapeutic procedures of the limbs. These examinations would include lameness evaluation, arthrocentesis, joint surgery, fracture repair and amputation. Live horses will be used to demonstrate palpable landmarks for traditional examinations.
- **VAP 893 – Introduction to Nanomedicine – Dr. Matthew Basel – 1 Credit**
A brief introduction to nanomaterials and nanomedicine with a focus on clinical applications of nanotechnology. The course presents basic principles of nanotechnology; current clinical applications of nanomedicine; future horizons in nanomedicine.
- **VCS 892 G – Disaster Response – ICS Deployment Certification – Dr. Brad Crauer – 1 Credit**
This course will be a combination of lecture classes and online certification modules. The in-person lecture classes will introduce students to disaster responses as it relates to animals and the role of veterinarians. Successful completion of the online modules will result in students being certified for disaster response deployment.

Online *(will have in person meeting options – instructor will reach out to you)*

- **VDMP 888 – Globalization & Food Trade – Dr. Justin Kastner – 1 Credit**
The course will include 15, 45-minute lectures and /or reading assignments. They will be assessed through online quizzes and one essay project.

VCS 892 B,C,D – Preclinical Mentorships – Dr. Ronnie Elmore – 1 Credit

VCS 892 B,C,D each require at least one week (forty hours) of activity with a veterinary mentor during academic breaks (fall break, spring break, semester break, or summer break). To get course credit for these electives you must satisfactorily complete all of the required forms. Please see <http://www.vet.k-state.edu/education/students/mentorships.html>. Approval forms for these elective courses must be submitted before the externship/mentorship is begun. You can select during which semester you want the enrollment to occur on the approval form