CAMELID (Offered to both Sophomore & Junior Students with first choice to juniors)
Course Coordinator: Dr. R. Videla
Credit Hours - 1 (VMD 897) – CRN Section # 003 Tuesday 8 – 9  C100

If you are going into mixed practice you will probably be dealing with camelids as their numbers are increasing particularly alpacas. These animals are seen as an investment and may be worth thousands of dollars. Owners generally demand excellent care and many owners are well read. At a recent course (November 2010) we had 70 people, coming from as far as North and South Carolina, Georgia, middle and west Tennessee. People are generally prepared to do what they can for their sick animal often regardless of expense. The current curriculum here at UT offers very little information on camelids, except for what you may see in the clinics and the information offered in this elective.

Minimum enrollment – 5, Maximum enrollment – 15

CLINICAL MICROBIOLOGY LABORATORY (Offered to both Sophomore & Junior Students)
Course Coordinators: Drs. D. Bemis, M. Kennedy, S. Kania
Credit Hours - 1 or 2 (VMD 867) – CRN Section # 002- time TBD

This course will be tailored to meet the needs of individual students wanting advanced exposure to techniques and procedures of modern microbiology. Areas of study can involve bacteriology, mycology, virology, and/or immunology. Independent and directed work totaling 2-4 hours per week will be required; times will be set between the student(s) and the instructors.

Maximum enrollment is varied; individual laboratories cannot normally accommodate more than 3 students during the same time period. (Prior arrangements with instructors required).

CULTURAL INFLUENCES ON ANIMAL HEALTH CARE (Offered to both Sophomore & Junior Students with first choice to juniors)
Course Coordinators: Dr. Z. Ng Y Ms. ‘T’. Fisher
Credit Hours – 1 (VMD 887) – CRN Section # 009 Wed. 12-1 Tickle Conference Room

The Cultural Awareness elective introduces veterinary students to cultural differences that may impact the receptiveness of pet owners to the veterinary medical care of their animals. The course will include seminars, field experiences and class reading assignments. The elective will explore various cultures and groups, including underserved populations (elderly, homeless, disabled, low income) and cultures (Native American, Appalachian, Latino, and African American). In addition, we will learn about animal perspectives of several religions and veterinary care for animals of military families. Students will attend a wellness event for pets of homeless people as part of the elective.

Minimum enrollment – 5, Maximum enrollment – 15
EQUINE DENTISTRY (Offered to both Sophomore & Junior Students with first choice to juniors)
Course Coordinator: Drs. Eric Martin
Credit Hours - 1 (VMD 897) – CRN  Section # 010  Tues. 8 – 10  Sequoyah Room

Equine Dentistry is designed to help improve your knowledge in dental hygiene and disease in horses. It will consist of a mixture of lectures and labs with more lectures than labs. It is open to both the 3rd and 2nd year students with the 3rd year students getting first preference.

Minimum enrollment – 4, Maximum enrollment – 15

ISSUES & OPPORTUNITIES IN SHELTER MEDICINE
(Offered to both Sophomore & Junior Students)
Course Coordinators: T’ Fisher, Ashley Cogavan
Credit Hours – 1 (VMD 887) – CRN  Section # 003  Tickle Conference Room

Lectures (2 hours) - Tues/Thurs 12-1; (Jan. 11, 2018 and Jan. 16, 2018)
Other meetings as arranged

There will be three 2 hour lectures/discussion sections on topics related to animal sheltering, geared towards helping the student understand and be able to become involved in animal shelter medicine in his or her community upon graduation. The student will be expected to participate in at least 9 hrs. of clinical exposure at Young Williams Animal Center including: Dog Adoption Floor Screening, Community Spay/Neuter Programs, Animal Intake - Lost & Found, Animal Adoptions, Animal Control, and Veterinary Clinic.
There is no required textbook, but Shelter Medicine for Veterinarians and Staff is strongly suggested.

Minimum enrollment – 5, Maximum enrollment – 20

LARGE ANIMAL CLINICAL SKILLS
Course Coordinator: Dr. C. Sommardahl
Credit Hour - 1 (VMD 897) – CRN  Section # 005 Thursday 1 – 3  VREC

An elective for second year students which will introduce the student to skills which are common to large animal practice, equine and food animal. After completing this class, a student should be able to perform many of the basic clinical activities which will be expected of them in practice. This is a two (2) hour per week class. To maximize learning, the class will be limited to 12 students.

Minimum - 6, Maximum enrollment - 12

PAIN MANAGEMENT
Course Coordinator: TBD
Credit Hours – 1 (VMD 887) – CRN  Section # 004 Tuesday 9 – 10  C100

This elective will explore clinical pain and pain management with emphasis on typical veterinary clinical problems. Fundamentals of nociception and comparative algology will underlie the focus on clinical relief of pain. Nociceptive pain, procedural pain, postoperative pain, maladaptive pain, chronic pain, cancer pain, and related syndromes will be addressed. Case scenarios and practical examples will serve to reinforce the principles of pain management, including preemptive analgesia, balanced analgesia, and recognition of varying patient needs. We will discuss typical and atypical uses of the principle classes of analgesics including NSAIDs, opioids, and local anesthetics, as well as adjunctive medications and non-drug methods of providing pain relief. A cadaver lab session will provide for hands-on practice with regional and local techniques.

Minimum enrollment – 1, Maximum enrollment – None
RESPONSIBLE PET OWNERSHIP (Offered to both Sophomore & Junior Students)
Course Coordinators: Dr. Z. NG & “T’. Fisher
Credit Hours – 1 (VMD 887) – CRN  Section # 001- Mon & Fri 12 – 1  Tickle Conference Room

 Millions of dogs and cats are killed annually in shelters because they develop behavioral problems that the owners cannot deal with.  Veterinarians are the best resource to counsel owners but owner education cannot be limited to the veterinary clinic.  Responsible pet ownership needs to be the focus of community education.  This course will provide veterinary students with a knowledge base and access to resource materials which will allow them to prepare and implement public education programs on various aspects of responsible pet ownership.  Two of the purposes of this course are to:  1) provide the community with high quality programs on responsible pet ownership and 2) to provide an opportunity for veterinary students to further develop their communication skills.  Course will be taught from noon – 12:50 pm on a mutually convenient day.

Minimum enrollment – 5, Maximum enrollment - None

SMALL ANIMAL BEHAVIORAL TOPICS (Offered to both Sophomore & Junior Students)
Course Coordinator: Dr J. Albright
Credit Hours – 1 (VMD 887) – CRN
Tuesday /Thursday  12:00 – 1 p.m.  C205 LACS Classroom

This course provides in-depth discussion and behavior modification skill practice for common behavioral issues of the cat and dog.  Material is presented through clinical case discussion and laboratories at UTCVM and other animal facilities (e.g., animal shelter, research laboratory, zoo).  Students must satisfactorily participate in all activities and write topic paper at the end of course.
Grading P/NP

Minimum enrollment: No Limit

SA MEDICAL: APPROACH TO PROBLEM SOLVING (Offered to both Sophomore & Junior Students)
Course Coordinator: Dr. Jennifer Stokes
Credit Hours – 1 (VMD 887) – CRN  Tuesday 8:00 – 10:00  Tickle Conference Room

Topics will include anemia, protein-losing enteropathy, fever of unknown origin, effusive disease (pleural +/- abdominal), and gastrointestinal disease.  During the semester 5 or 6 cases will be presented and discussed, primarily in a group fashion.  By the end of the course students should be able to 1) develop an accurate problem list of primary problems, 2) develop an accurate differential diagnoses list, 3) develop an accurate 1st and 2nd tier diagnostic plan.  All goals are in the context of the patient’s signalment, history, physical exam findings +/- diagnostic test results.  Performance is evaluated by attendance.

Minimum enrollment – 6, Maximum enrollment - 12

SKELETAL MODELING COURSE (Offered to both Sophomore & Junior Students with first choice to juniors)
Course Coordinators: Drs. Joseph Weigel & Robert Reed
Credit Hours - 1 (VMD 887) - Tuesday 8:00 – 10:00  Anatomy Lab

The purpose of the course is to build in the veterinary medical student a mental repository of 3D perspectives of skeletal anatomy for use in the interpretation of diagnostic images, as well as for use in the execution of certain surgical procedures.  We propose meeting this purpose by providing an experiential-based set of exercises in the sculpturing and modeling of selected bones in clay.  This course is elective and not intended to replace any existing anatomy, radiology, or surgery course.

Minimum enrollment – 4, Maximum enrollment – 8
SMALL ANIMAL SURGERY – SPAY/NEUTER CLINIC
Course Coordinators: Dr. Lane Anderson & Michelle Smallwood
Credit Hours – 1 (VMD 887) – CRN Section # 003 Wednesday 8 – 12 JARTU

This course will have major emphasis on the student gaining “hands on” experience in small animal surgery. Dogs and cats from a variety of humane animal shelters will be brought to the Surgery Teaching Facility once weekly for a sterilization procedure. The student will act in the capacity of a primary surgeon approximately 50% of the time. The remaining time will be spent assisting classmates with surgery and anesthesia. This course will require all 18 students to meet weekly for the entire semester except for spring break week. We anticipate that most students will achieve a level of competence that will be equal to that of our graduating seniors. Each student will probably do between 8-12 elective surgeries during the semester. This course offering is repeated Fall of Junior year.

**Maximum enrollment – 24**