VMED 7113 Veterinary Physiology II
Prerequisites: First-year standing in the College of Veterinary Medicine.
Description: Study of molecular, cellular and organ system physiology with emphasis on establishing a base of knowledge and understanding requisite courses within the curriculum of veterinary medicine. Continuation of VMED 7114. (8 week course) Previously offered as VMED 7120.
Credit hours: 3
Contact hours: Lecture: 4 Contact: 4
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7114 Veterinary Physiology I
Prerequisites: First-year standing in the College of Veterinary Medicine.
Description: To introduce students to the relevant concepts of cell physiology and cardiovascular physiology, providing a foundation for Physiology II and III, clinical coursework and clinical rotations. Previously offered as VMED 7110.
Credit hours: 4
Contact hours: Lecture: 4 Contact: 4
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7123 Veterinary Histology
Prerequisites: First-year standing in the College of Veterinary Medicine.
Description: Organization and structure of cells and tissues of domestic animals. Previously offered as VMED 5123.
Credit hours: 3
Contact hours: Lecture: 2 Lab: 2 Contact: 4
Levels: Professional
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Dean of Veterinary Med

VMED 7144 Gross and Developmental Anatomy
Prerequisites: First-year standing in the College of Veterinary Medicine.
Description: Embryology and anatomy of domestic mammals using the dog as the primary model. Integrated lecture-dissection laboratory format. Emphasis on the integration of developmental gross, radiographic and applied aspects of veterinary anatomy as they relate to a topographical appreciation of the living individual. Previously offered as VMED 5144.
Credit hours: 4
Contact hours: Lecture: 1 Lab: 6 Contact: 7
Levels: Professional
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Dean of Veterinary Med

VMED 7152 Zootechnology
Prerequisites: First-year standing in the College of Veterinary Medicine.
Description: Animal breeds and identification, animal production and marketing systems and animal handling and restraint as it applies to production and marketing. Previously offered as VMED 5152.
Credit hours: 2
Contact hours: Lecture: 2 Contact: 2
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7162 Orientation to the Veterinary Medical Profession
Prerequisites: First year standing in College of Veterinary Medicine.
Description: Introduction to veterinary jurisprudence, ethics, licensing, government regulations, human-animal bond, and evolving issues in animal law and animal welfare.
Credit hours: 2
Contact hours: Lecture: 2 Contact: 2
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7221 Epidemiology and Evidence-Based Medicine
Prerequisites: First-year standing in the College of Veterinary Medicine.
Description: Principles and uses of evidence-based practice of veterinary medicine; comprehension and utilization of scientific research; interpretation of basic concepts of observational study of disease.
Credit hours: 1
Contact hours: Lecture: 1 Contact: 1
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7223 Veterinary Parasitology I
Prerequisites: First-year standing in the College of Veterinary Medicine.
Description: Introduction to the general principles of parasitism and parasites of veterinary medical importance including taxonomy morphology, biology of parasites, modes of transmission, host-parasite relationships, infectious processes and pathogenicity, diagnostic methods, treatment and control measures and public health importance. Previously offered as VMED 5323.
Credit hours: 3
Contact hours: Lecture: 2 Lab: 2 Contact: 4
Levels: Professional
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Dean of Veterinary Med

VMED 7235 Veterinary Physiology III
Prerequisites: First-year standing in the College of Veterinary Medicine.
Description: Molecular, cellular and organ system physiology. Establishing a base of knowledge and understanding requisite to subsequent courses. Previously offered as VMED 7230.
Credit hours: 5
Contact hours: Lecture: 5 Contact: 5
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7243 Comparative Anatomy
Prerequisites: First year standing in the College of Veterinary Medicine.
Description: Comparative and functional gross anatomy of domestic mammals. Emphasis on the integration of developmental gross, radiologic, and applied clinical aspects of veterinary anatomy as they relate to a topographical appreciation of the living individual. Integrated lecture-dissection laboratory format. Course previously offered as VMED 5243.
Credit hours: 3
Contact hours: Lecture: 1 Lab: 4 Contact: 5
Levels: Professional
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Dean of Veterinary Med
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Description</th>
<th>Credit hours</th>
<th>Contact hours</th>
<th>Levels</th>
<th>Schedule types</th>
<th>Department/School</th>
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<tr>
<td>VMED 7253</td>
<td>Veterinary Immunology</td>
<td>First-year standing in College of Veterinary Medicine.</td>
<td>Course previously offered as VMED 7250.</td>
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<td>VMED 7264</td>
<td>General Pathology</td>
<td>First-year standing in the College of Veterinary Medicine.</td>
<td>Course previously offered as VMED 5264.</td>
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<td>VMED 7311</td>
<td>Introduction to Clinics I</td>
<td>Second-year standing in College of Veterinary Medicine.</td>
<td>Course previously offered as VMED 7311.</td>
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<td>VMED 7323</td>
<td>Veterinary Parasitology II</td>
<td>Second-year standing in the College of Veterinary Medicine.</td>
<td>Course previously offered as VMED 7323.</td>
<td>3</td>
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<td>VMED 7333</td>
<td>Pharmacology I</td>
<td>Second-year standing in the College of Veterinary Medicine.</td>
<td>Course previously offered as VMED 7333.</td>
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<td>VMED 7342</td>
<td>Clinical Anatomy</td>
<td>Second-year standing in the College of Veterinary Medicine.</td>
<td>Course previously offered as VMED 7342.</td>
<td>2</td>
<td>Lecture: 1 Lab: 2 Contact: 3</td>
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<td>Lab, Lecture, Combined lecture and lab</td>
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<td>VMED 7354</td>
<td>Veterinary Bacteriology and Mycology</td>
<td>Second-year standing in College of Veterinary Medicine.</td>
<td>Important animal diseases caused by bacteria and fungi will be covered on a system basis. Mechanisms of infectious disease processes and the relationship of such processes to disease development, diagnosis, treatment and control. The relationship of zoonotic diseases to community and environmental health as well as important zoonoses. Course previously offered as VMED 7350.</td>
<td>4</td>
<td>Lecture: 3 Lab: 2 Contact: 5</td>
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<td>Lab, Lecture, Combined lecture and lab</td>
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<tr>
<td>VMED 7363</td>
<td>Clinical Pathology</td>
<td>Second-year standing in the College of Veterinary Medicine.</td>
<td>Course previously offered as VMED 7363.</td>
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<td>VMED 7401</td>
<td>Introduction to Beef Production Medicine Elective</td>
<td>Second-year or third-year standing in the College of Veterinary Medicine.</td>
<td>Course previously offered as VMED 7401.</td>
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VMED 7411 Best Practices Business Model for Veterinarians Elective
Prerequisites: Second- or third-year standing in the College of Veterinary Medicine.
Description: Online introduction to personal financial literacy and business management. This is a modular-format, online accessible course constructed by the Beef Cattle Institute at Kansas State University. Students will complete the course at their own pace. Graded on a pass/fail basis. Previously offered as VMED 7410.
Credit hours: 1
Contact hours: Contact: 1 Other: 1
Levels: Professional
Schedule types: Independent Study
Department/School: Dean of Veterinary Med

VMED 7412 Anesthesiology
Prerequisites: Second-year standing in the College of Veterinary Medicine.
Description: Application of the principles of veterinary anesthesia to incorporate fundamental aspects of physiology and pharmacology in the anesthetic management of important domestic species. Course previously offered as VMED 5412.
Credit hours: 2
Contact hours: Lecture: 2 Contact: 2
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7413 Food Safety and Public Health
Prerequisites: Second-year standing in the College of Veterinary Medicine.
Description: Approaches and skills for identifying, investigating and mitigating occurrences of disease outbreaks; introduction to zoonotic diseases; role veterinarians play in protecting public health; potential human health hazards in foods of animal origin. Course previously offered as VMED 5313.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7431 Small Animal Nutrition Elective
Prerequisites: Second- or third-year standing in the College of Veterinary Medicine.
Description: Discussion of nutrition for dogs and cats, designing a feeding plan for small animal patients and nutritional management of various disease states. The discussions will include nutritional assessment, how to read a pet food label, how to evaluate unconventional diets, feline nutrition, and nutritional case management. Cases will be discussed in small group format. Types of cases that will be covered include canine and feline obesity, gastrointestinal diseases and critical care cases.
Credit hours: 1
Contact hours: Lecture: 1 Contact: 1
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7432 Pharmacology II
Prerequisites: Second-year standing in the College of Veterinary Medicine.
Description: Continuation of VMED 7333 that includes the mechanisms of action, disposition, adverse effects, and indications for groups of pharmacological agents used in veterinary medicine. Course previously offered as VMED 5432.
Credit hours: 2
Contact hours: Lecture: 2 Contact: 2
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7441 Veterinary Emergency Response and Disaster Management Elective
Prerequisites: Second- or third-year standing in the College of Veterinary Medicine.
Description: Introduction to the principles and structure of emergency management including the Incident Command System, the hierarches of EM, and responsibilities of local, state and federal emergency responders from city emergency managers to FEMA. Basics of animal disaster management to include hazard recognition, the disaster life cycle, development of Emergency Operations Plans and management of various species of animals in disasters.
Credit hours: 1
Contact hours: Lecture: 1 Contact: 1
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7443 Diagnostic Imaging
Prerequisites: Second-year standing in the College of Veterinary Medicine.
Description: Radiographic theory, techniques, and interpretation. Introduction to alternate methods, including ultrasonography. Course previously offered as VMED 5443.
Credit hours: 3
Contact hours: Lecture: 2 Lab: 2 Contact: 4
Levels: Professional
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Dean of Veterinary Med

VMED 7451 Advanced Veterinary Clinical Parasitology Elective
Prerequisites: Second- or third-year standing in the College of Veterinary Medicine.
Description: Offers an opportunity to explore key topics in veterinary parasitology in greater depth, including perceptions of parasites in society, diagnostic challenges in medicine, the scientific evidence behind parasiticide resistance and toxicity, and the marketing of parasiticides in veterinary medicine. In addition, students are guided through the process of developing and communicating management strategies for specific parasite challenges.
Credit hours: 1
Contact hours: Lecture: 1 Contact: 1
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med
VMED 7454 Veterinary Virology
Prerequisites: Second-year standing in the College of Veterinary Medicine.
Description: Course covers important animal diseases caused by viruses. These infectious diseases will be taught in an animal systems approach. The first part will provide an overview of veterinary virology. The second part will discuss the different viral diseases of animals. Material for each of the viral infections includes the mechanisms of the disease processes and the relationship of such processes to disease development, diagnosis, treatment and control. Also covered are the relationships of zoonotic diseases to community and environmental health as well as important zoonoses. Course previously offered as VMED 7450.
Credit hours: 4
Contact hours: Lecture: 3 Lab: 2 Contact: 5
Levels: Professional
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Dean of Veterinary Med

VMED 7481 Special Topics in Applied Anatomy: A Case Based Approach
Prerequisites: First, second or third-year standing in the College of Veterinary Medicine.
Description: Students will choose a small or large animal topic where anatomy plays a role in either the cause or treatment of the condition (or both). The IOR/student will contact an appropriate clinical faculty member who will choose a case from the VTH representing the condition of choice, the student will prepare a 20-30 minute presentation discussing the condition relevant anatomy and present case example from vth.
Credit hours: 1
Contact hours: Contact: 1 Other: 1
Levels: Professional
Schedule types: Independent Study
Department/School: Dean of Veterinary Med

VMED 7482 Hemolymphatic and Oncology
Prerequisites: Second-year standing in the College of Veterinary Medicine.
Description: Pathogenesis, diagnosis, pathology, medical and surgical treatment, and prevention of diseases related primarily to the blood and lymphatic system (six-week module). Course previously offered as VMED 5582.
Credit hours: 2
Contact hours: Lecture: 3 Contact: 3
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7502 Ophthalmology
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: Pathogenesis, diagnosis, medical and surgical treatment, and prevention of ophthalmic disease in small animal and equine patients. Course previously offered as VMED 7501.
Credit hours: 2
Contact hours: Lecture: 2 Contact: 2
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7510 Research Elective
Prerequisites: Second- or third-year standing in the College of Veterinary Medicine.
Description: Participation in faculty-directed projects to enhance career development in veterinary biomedical research. Students participate in a process mimicking investigator-initiated research by developing a research proposal, participating in a competitive peer-review process, and reporting on completed research project. Letter grade to be assigned. Course previously offered as VMED 5510. Offered for variable credit, 1-2 credit hours, maximum of 2 credit hours.
Credit hours: 1-2
Contact hours: Contact: 1-2 Other: 1-2
Levels: Professional
Schedule types: Independent Study
Department/School: Dean of Veterinary Med

VMED 7512 Laboratory Animal Medicine Elective
Prerequisites: Second- or third-year standing in the College of Veterinary Medicine.
Description: Introductory course focusing on the biology and major diseases of commonly used laboratory animals. Course previously offered as VMED 7721.
Credit hours: 2
Contact hours: Lecture: 2 Contact: 2
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7513 TCVM Mixed Animal Acupuncture Elective
Prerequisites: Second- or third-year standing in the College of Veterinary Medicine.
Description: The Mixed Animal Acupuncture program is a 5-part session, 130-hour CE program (approved by a majority of state boards) that certifies students in veterinary acupuncture with an emphasis on small and large animals. The program is presented in 2 online and 3 on-site sessions.
Credit hours: 3
Contact hours: Contact: 3 Other: 3
Levels: Professional
Schedule types: Independent Study
Department/School: Dean of Veterinary Med

VMED 7521 Veterinary Practice Management Elective
Prerequisites: Second- or third-year standing in College of Veterinary Medicine.
Description: Introductory course focusing on the biology and major diseases of commonly used laboratory animals. Course previously offered as VMED 7721.
Credit hours: 2
Contact hours: Lecture: 2 Contact: 2
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med
VMED 7522 Small Animal Medical Diagnosis: Signs and Symptoms Elective
Prerequisites: Second- or third-year standing in the College of Veterinary Medicine.
Description: Introduction to clinical problem solving through application of a problem-oriented approach to clinical diagnosis. Discussion of major problems (clinical signs and symptoms) affecting animals, and the pathophysiology of each clinical sign, its differential diagnosis and symptomatic management. Review of key anatomical, pathological and immunological concepts learned in basic science courses. Course previously offered as VMED 5522.
Credit hours: 2
Contact hours: Lecture: 2 Contact: 2
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7533 Toxicology
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: Diagnosis and management of intoxications involving plant, chemical and biological toxins. Course previously offered as VMED 6533.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7541 Introduction to Food Animal Production Systems Elective
Prerequisites: Second-year or third-year standing in the College of Veterinary Medicine.
Description: Consists of a week-long field trip of food animal production operations in Oklahoma and Texas providing exposure to beef cattle, swine and dairy production industries. Includes group presentation of the experience.
Credit hours: 1
Contact hours: Contact: 1 Other: 1
Levels: Professional
Schedule types: Independent Study
Department/School: Dean of Veterinary Med

VMED 7542 Clinical Endocrinology I Elective
Prerequisites: Second- or third-year standing in the College of Veterinary Medicine.
Description: Advanced medical endocrinology addressing diagnostic endocrinology and therapeutic endocrinology. Diagnostic endocrinology shall examine the physiological and medical basis for selecting provocative or non-provocative testing procedures as an adjunct to completing a definitive diagnosis. Therapeutic endocrinology involves the use of diagnostic endocrinology to evaluate the efficacy of medical treatment of endocrinopathies and the medical use of hormonal preparations to control animal physiology or endocrinology and non-endocrine diseases.
Credit hours: 2
Contact hours: Lecture: 2 Contact: 2
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7551 Food Animal: Advanced Techniques Elective
Prerequisites: Second-year standing in the College of Veterinary Medicine.
Description: This elective is designed to give second year students the opportunity to learn how to perform some of the most commonly performed procedures in food animal medicine in regards to the modalities of treatment, diagnostics, herd health, local anesthesia and Pharmacology. One hour per week will be spent as formal lecture to provide some theory for the procedures and techniques to be performed during the laboratory periods.
Credit hours: 1
Contact hours: Lab: 2 Contact: 2
Levels: Professional
Schedule types: Lab
Department/School: Dean of Veterinary Med
Additional Fees: VM Consummable VMED 7551 fee of $30 applies.

VMED 7561 Introduction to Shelter Medicine Elective
Prerequisites: Second-year or third-year standing in the College of Veterinary Medicine.
Description: Introduction course on topics relevant to shelter medicine. Discusses major subjects and issues important to practicing medicine in the shelter setting.
Credit hours: 1
Contact hours: Lecture: 1 Contact: 1
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7562 Avian and Exotic Pet Medicine Elective
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: Clinical diagnosis, management and treatment, prognosis, and prevention of diseases in avian and exotic pets. Introductory material provided to familiarize students with the species discussed and where clinically important; however, student understanding of the basic sciences required and assumed. Course previously offered as VMED 5562.
Credit hours: 2
Contact hours: Lab: 4 Contact: 4
Levels: Professional
Schedule types: Lab
Department/School: Dean of Veterinary Med
Additional Fees: VM Consummable VMED 7562 fee of $55 applies.

VMED 7563 Musculoskeletal Systems
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: Pathology, pathogenesis, diagnosis, treatment, and prevention of diseases related primarily to the musculoskeletal system of domestic animals. Previously offered as VMED 6563 and VMED 6568.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Prerequisites</th>
<th>Description</th>
<th>Contact Hours</th>
<th>Credit Hours</th>
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<tr>
<td>VMED 7564</td>
<td>Alimentary System</td>
<td>Third-year standing in the College of Veterinary Medicine.</td>
<td>Pathogenesis, diagnosis, pathology, medical and surgical treatment, and prevention of diseases related primarily to the alimentary system. Previously offered as VMED 6574.</td>
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<td>VMED 7571</td>
<td>Introduction to Behavioral Medicine Elective</td>
<td>Second- or third-year standing in College of Veterinary Medicine.</td>
<td>Introduction to behavioral veterinary medicine.</td>
<td>1</td>
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<tr>
<td>VMED 7583</td>
<td>Dermatology &amp; Endocrinology</td>
<td>Third-year standing in the College of Veterinary Medicine.</td>
<td>Normal behavior of the dog and cat, basic procedures and methods for diagnosing and treating behavioral problems. Previously offered as VMED 5571.</td>
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<tr>
<td>VMED 7591</td>
<td>International Veterinary Medicine Elective</td>
<td>Second-year or third-year standing in the College of Veterinary Medicine.</td>
<td>Overview of the importance of veterinarians and the wide range of activities in which they participate around the world including the military, public health agencies, humanitarian relief agencies, wildlife preservation groups and faith-based agencies.</td>
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<td>VMED 7592</td>
<td>Junior Surgery I</td>
<td>Third-year standing in the College of Veterinary Medicine.</td>
<td>Introduction to fundamental principles of surgery. Didactic material will be followed by surgical laboratories. Graded on a pass/fail basis. Previously offered as VMED 7523.</td>
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<tr>
<td>VMED 7601</td>
<td>Junior Surgery II</td>
<td>Third-year standing in the College of Veterinary Medicine.</td>
<td>Introduction to fundamental principles of surgery. Didactic material will be followed by surgical laboratories. Graded on a pass/fail basis. Previously offered as VMED 7523.</td>
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<td>VMED 7610</td>
<td>Basic Science Elective</td>
<td>Second- or third-year standing in the College of Veterinary Medicine.</td>
<td>Problems in the basic sciences taught as lecture or lab. Previously offered as VMED 6610. Offered for variable credit, 1-4 credit hours, maximum of 8 credit hours.</td>
<td>1</td>
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<td>VMED 7612</td>
<td>Clinical Neurology</td>
<td>Third-year standing in the College of Veterinary Medicine.</td>
<td>Problems in the basic sciences taught as lecture or lab. Previously offered as VMED 6610. Offered for variable credit, 1-4 credit hours, maximum of 8 credit hours.</td>
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<td>VMED 7614</td>
<td>Cardiopulmonary System</td>
<td>Third-year standing in the College of Veterinary Medicine.</td>
<td>Problems in the clinical sciences taught as lecture or lab. Previously offered as VMED 6620. Offered for variable credit, 1-8 credit hours, maximum of 8 credit hours.</td>
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<td>VMED 7620</td>
<td>Clinical Science Elective</td>
<td>Second- or third-year standing in the College of Veterinary Medicine.</td>
<td>Problems in the clinical sciences taught as lecture or lab. Previously offered as VMED 6620. Offered for variable credit, 1-8 credit hours, maximum of 8 credit hours.</td>
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<th>Schedule Types</th>
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<tr>
<td>Lab</td>
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<tr>
<td>Combined Lecture and Lab</td>
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<tr>
<td>VMED 7651</td>
<td>Equine Theriogenology Laboratory Elective</td>
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<tr>
<td>VMED 7674</td>
<td>Theriogenology</td>
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<tr>
<td>VMED 7652</td>
<td>Introduction To Clinics II</td>
</tr>
<tr>
<td>VMED 7661</td>
<td>Infectious and Parasitic Diseases of Wild Animals Elective</td>
</tr>
<tr>
<td>VMED 7662</td>
<td>Urinary System</td>
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<td>VMED 7571</td>
<td>Clinical Endocrinology II Elective</td>
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<td>VMED 7674</td>
<td>Theriogenology</td>
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</table>
VMED 7712 Systemic Pathology: Case Studies and Mechanisms of Disease Elective
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: Selected diseases of major organ systems will be approached as an exercise in critical diagnostics thinking. Review of salient pathological responses for each system. Relevant journal articles to emphasize need for continued, self-guided learning.
Credit hours: 2
Contact hours: Lecture: 1 Contact: 2 Other: 1
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7742 Bovine Theriogenology and Regulatory Medicine Elective
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: Palpation techniques in cows. Previously offered as VMED 7741.
Credit hours: 2
Contact hours: Lab: 4 Contact: 4
Levels: Professional
Schedule types: Lab
Department/School: Dean of Veterinary Med
Additional Fees: VM Consummable VMED 7742 fee of $250 applies.

VMED 7761 Introduction to Integrative Medicine: An Investigation into Holistic Veterinary Medicine Elective
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: This course will provide an overview of current modalities being utilized as alternative therapies in Veterinary Medicine. The student will gain an appreciation for the importance of complementary medicine, and the evidence available to support its use. Students will also gain an understanding of critically assessing the research available and determining whether the information is clinically relevant.
Credit hours: 1
Contact hours: Lecture: 1 Contact: 1
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7771 Essentials in Equine Practice: Medicine Elective
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: Topics are related to equine medicine, ophthalmology, cardiology, and/or theriogenology that are not covered in detail in core curriculum. Aim is to supplement information and provide exposure to basic clinical techniques commonly performed in equine practice. A clinical perspective will be emphasized and hands-on laboratories used as an adjunct when appropriate.
Credit hours: 1
Contact hours: Lecture: 1 Contact: 1
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med
Additional Fees: VM Consummable VMED 7771 fee of $450 applies.

VMED 7781 Professional Veterinary Medicine
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: A capstone course preparing third-year veterinary students for clinical training. Topics include: non-technical skills, knowledge, aptitudes, and attitudes; veterinary career opportunities in public practice, and preparation for the North American Veterinary Licensing Examination (NAVLE).
Credit hours: 1
Contact hours: Lecture: 1 Contact: 1
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7811 Basic Techniques in Equine Surgery and Sports Medicine Elective
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: To provide the equine or mixed animal practice oriented student with in-depth knowledge/techniques concerning topics and procedures important for success in equine practice. Focuses on topics relative to the practice of equine sports medicine and minor surgery (lameness examination, castration, field anesthesia). Material will be applied to hands-on laboratories using models, live horses and/or cadaver specimens when appropriate. Graded on a pass-fail basis.
Credit hours: 1
Contact hours: Lecture: 1 Contact: 1
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7822 Food Animal Production Medicine Elective
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: Production animal agriculture and the veterinarian's present and future role in these enterprises. Cattle production is emphasized. Cycles of production, economics and health programs will be discussed. For students intending to enter mixed animal or exclusive food animal practices. Course previously offered as VMED 6622.
Credit hours: 2
Contact hours: Lecture: 2 Contact: 2
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7841 Food Animal Surgery Elective
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: Detailed examination and review of commonly utilized local anesthetic techniques, injectable anesthetic techniques, and surgical procedures in food animal practice. Major topics include digital, mammary, gastrointestinal, and urogenital surgery as well as cesarean section. Course previously offered as VMED 6641.
Credit hours: 1
Contact hours: Lecture: 1 Contact: 1
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med
Additional Fees: VM Consummable VMED 7841 fee of $300 applies.
VMED 7861 Cytology Elective
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: An introduction to clinical diagnosis using cytology. Topics include sample collection, inflammatory lesions, neoplasia, lymph node cytology, respiratory washes, synovial fluids, and body cavity effusions. The course consists of lectures, multi-head microscope and individual microscope laboratories; cases will be predominantly small animals.
Credit hours: 1
Contact hours: Lab: 2 Contact: 2
Levels: Professional
Schedule types: Lab
Department/School: Dean of Veterinary Med

VMED 7881 Introduction to Ultrasound Elective
Prerequisites: Third-year standing in the College of Veterinary Medicine.
Description: This course will teach the principles of ultrasound imaging, focusing on small animal imaging, but will have general topics as well that apply to all species and applications.
Credit hours: 1
Contact hours: Lecture: 1 Contact: 1
Levels: Professional
Schedule types: Lecture
Department/School: Dean of Veterinary Med

VMED 7941 Clinical Skills Outcomes Assessment
Prerequisites: Fourth-year standing in the College of Veterinary Medicine.
Description: Assessment of clinical skills using checklists and/or brief case summaries.
Credit hours: 1
Contact hours: Contact: 1 Other: 1
Levels: Professional
Schedule types: Independent Study
Department/School: Dean of Veterinary Med