VETERINARY MEDICINE

College of Veterinary Medicine

101 Veterinary Medicine in Society
Spring. 1(1-0)
Role of the veterinary profession in animal and human health. Impact of veterinary medicine on society.

110 Veterinary Medical Terminology
Fall. 1(1-0) R: Open to undergraduate students. Approval of college. Veterinary medical terminology, focusing on fundamental recognition, interpretation and usage of medical terms.

120 Veterinary Comparative Nutrition
Spring. 2(2-0) R: Open to undergraduate students in the College of Veterinary Medicine. Approval of college. Energy metabolism, nutrients and nutrient requirements of common domestic species.

130 Comparative Anatomy for Veterinary Technicians
Fall. 2(1-2) P: BS 161 and BS 171 R: Open to undergraduate students. Approval of college. C: VM 250 concurrently. Gross anatomy of the common animal species encountered in veterinary medicine. Overview of the functional anatomy of the musculoskeletal, digestive, cardiovascular, cutaneous, respiratory, urogenital, nervous, and endocrine systems and the special senses.

140 Pharmacology for Veterinary Technicians
Fall. 2(2-0) P: (MTH 103 or MTH 110 or MTH 116) and BS 161 R: Open to students in the Veterinary Technology major. Approval of college. Fundamentals of characteristics, classification and usage of veterinary pharmaceuticals. Introduction to and application of dosage and formulation calculations.

150 Hospital Procedures and Communication
Fall. 2(2-0) R: Open to students in the Veterinary Technology major. Approval of college. C: VM 110 concurrently and VM 140 concurrently. Development of various modalities of professional and client communication skills.

155 Veterinary Technology Careers and Professional Development
Spring. 1(1-0) R: Open to students in the Veterinary Technology major. Approval of college. Career options in veterinary technology, discussion of professional, ethical and legal considerations. Portfolio development, resume and cover-letter writing skills.

160 Small Animal Nursing Skills
Spring. 3(2-3) P: VM 110 and VM 130 and VM 140 and VM 150 R: Open to students in the Veterinary Technology major. Approval of college. Small animal nursing including principles of restraint, physical examination, medical management techniques, and behavior of common companion animals. Recognition of common canine and feline breeds.

165 Large Animal and Laboratory Animal Nursing Care Techniques
Fall. 2(1-2) P: VM 160 and VM 205 R: Open to students in the Veterinary Technology major. Approval of college. Fundamentals of the handling of equine, food animal and laboratory animal species. Breed identification, specimen collection, physical exam, medication administration and other nursing care procedures relevant to the species.

170 Hematology and Immunology for Veterinary Technicians
Spring. 2(2-0) P: VM 250 and VM 110 R: Open to students in the Veterinary Technology major. Approval of college. C: VM 175 concurrently. Structure and function of normal blood cells, cellular and humoral immunity, mechanisms of hemostasis, blood group serology, transfusion medicine and vaccinology.

175 Clinical Pathology Laboratory I for Veterinary Technicians
Spring. 1(2-0) P: VM 110 and VM 250 R: Open to students in the Veterinary Technology major. Approval of college. C: VM 170 concurrently. Veterinary clinical pathology laboratory including diagnostic procedures in hematology, serology and ELISA methodology.

176 Clinical Pathology Laboratory II for Veterinary Technicians
Fall. 1(2-0) P: VM 175 R: Open to students in the Veterinary Technology major. Approval of college. C: VM 170 concurrently. Comprehensive veterinary clinical pathology laboratory, including diagnostic procedures in urology, dermatology, cytology, and advanced methods in hematology.

205 Preventive Animal Health Care for Veterinary Technicians
Spring. 3(3-0) P: VM 150 and VM 110 R: Open to students in the Veterinary Technology major. Approval of college. Development of husbandry techniques to enhance wellness and reduce the risk of disease, injury and stress in common domestic and exotic animals.

210 Surgical Nursing for Veterinary Technicians
Fall. 2(2-0) P: VM 160 R: Open to students in the Veterinary Technology major. Approval of college. C: VM 215 concurrently and VM 303 concurrently. Role of the veterinary technician as a member of the veterinary surgical team.

215 Surgical Nursing and Anesthetic Management Laboratory
Fall. 1(0-4) P: VM 160 R: Open to students in the Veterinary Technology major. Approval of college. C: VM 210 concurrently and VM 303 concurrently. Principles and techniques in veterinary surgical nursing and anesthesia.

245 Parasitology for Veterinary Technicians
Spring. 2(1-2) P: VM 140 and VM 176 and VM 205 RB: VM 250 R: Open to students in the Veterinary Technology major. Approval of college. Parasites of veterinary and public health importance, including gross and microscopic morphology, transmission, and control.

250 Veterinary Comparative Clinical Physiology
Fall. 5(5-0) P: BS 161 or UB 145 R: Open to students in the Veterinary Technology major. Approval of college. Function, regulation, and integration of organs and organ systems of common domestic species. Concepts with clinical relevance.

255 Small Animal Diseases and Management
Fall. 3(3-0) P: VM 160 and VM 170 and VM 250 and VM 175 R: Open to students in the Veterinary Technology major. Approval of college. Pathophysiology, transmission, diagnostic process, clinical management and prevention of canine and feline diseases.

265 Dentistry Techniques for Veterinary Technicians
Spring. 1(0-4) P: VM 215 and VM 210 and VM 303 R: Open to students in the Veterinary Technology major. Approval of college. Veterinary dental techniques and oral cavity assessment for companion animals.

270 Advanced Skills Development for Veterinary Technicians
Spring. 1(3-0) P: VM 165 and VM 250 R: Open to students in the Veterinary Technology major. Approval of college. Service-oriented approach to health care development in an operational animal care facility.

275 Large Animal Diseases and Management
Spring. 3(3-0) P: VM 165 and VM 250 R: Open to students in the Veterinary Technology major. Approval of college. Diseases, husbandry, preventative health care and client education for equine and food animal species.

285 Clinical Nutrition for Veterinary Technologists
Fall. Spring. 1(1-0) P: VM 255 and VM 120 R: Open to students in the Veterinary Technology major. Approval of college. Nutritional assessment and management of common domestic species in veterinary medicine.

290 Special Studies in Veterinary Medicine
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to undergraduate students in the College of Veterinary Medicine. Approval of college. Faculty-directed individual study on an experimental, theoretical or applied problem. May involve a supervised off-campus experience.

295 Biomedical Research and Regulatory Issues for Veterinary Technologists
Fall. 1(1-0) P: VM 150 and VM 205 R: Open to students in the Veterinary Technology major. Approval of school; application required. Principles and techniques of biomedical research, governance and regulation of animal care and use.

303 Anesthesiology for Veterinary Technicians
Veterinary Medicine—VM

304 Radiology for Veterinary Technicians
Spring. 2(1-2) P: VM 110 and VM 130 R: Open to students in the Veterinary Technology major. Approval of college. Production of radiographs, components of the x-ray machine, use of grids, handling film, imaging quality, film processing, patient positioning, and radiation safety.

305 Hospital Practice Management for Veterinary Technologists
Spring. 2(2-0) P: VM 150 R: Open to students in the Veterinary Technology major. Approval of college. Veterinary practice economics, personnel management, inventory control and marketing techniques.

310 Advanced Clinical Pathology Techniques
Spring. 1(0-2) P: VM 176 and VM 255 R: Open to students in the Veterinary Technology major. Approval of department. Application of principles and techniques in hematology, urinalysis, parasitology.

369 Introduction to Zoo and Aquarium Science
Spring. 3(3-0) Interdepartmental with Fisheries and Wildlife and Landscape Architecture and Zoology. Administered by Zoology. P: BS 162 or LB 144 or BS 182H Fundamentals of zoo and aquarium operations including research, interpretation, design, nutrition, captive breeding, conservation, ethics and management.

410 Veterinary Technology Clerkship in Anesthesia
Fall, Spring, Summer. 3 credits. P: VM 270 and VM 275 and VM 303 and VM 304 R: Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in anesthesia.

411 Veterinary Technology Clerkship in Radiology
Fall, Spring, Summer. 3 credits. P: VM 270 and VM 275 and VM 303 and VM 304 R: Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in radiology.

412 Veterinary Technology Clerkship in Companion Animal Medicine
Fall, Spring, Summer. 3 credits. P: VM 270 and VM 275 and VM 303 and VM 304 R: Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in restraint, examination, nursing care, monitoring, and preventive medicine of companion animals.

413 Veterinary Technology Clerkship in Companion Animal Surgery
Fall, Spring, Summer. 3 credits. P: VM 270 and VM 275 and VM 303 and VM 304 R: Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in surgical nursing.

414 Veterinary Technology Clerkship in Equine Medicine and Surgery
Fall, Spring, Summer. 3 to 6 credits. P: VM 466 R: Completion of preclinical coursework. R: Open to students in the Veterinary Technology major. Approval of department. Application of principles and techniques in equine medicine and surgery.

415 Veterinary Technician Clerkship in Food Animal and Equine Medicine and Surgery
Fall, Spring, Summer. 3 to 6 credits. P: (VM 466 and completion of Tier I writing requirement R: Completion of preclinical coursework. R: Open only to Veterinary Technology major. Approval of department. Application of principles and techniques in food animal and equine medicine and surgery.

450 Veterinary Technology Clerkship in Emergency Medicine
Fall, Spring, Summer. 3 credits. P: VM 412 R: (VM 410 and VM 411 and VM 413) and Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in emergency medicine.

451 Veterinary Technology Clerkship in Cardiology
Fall, Spring, Summer. 3 credits. P: VM 412 R: (VM 410 and VM 411 and VM 413) and Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in cardiology.

452 Veterinary Technology Clerkship in Neurology
Fall, Spring, Summer. 3 credits. P: VM 412 R: (VM 410 and VM 411 and VM 413) and Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in neurology and physical therapy.

453 Veterinary Technology Clerkship in Ophthalmology
Fall, Spring, Summer. 3 credits. P: VM 412 R: (VM 410 and VM 411 and VM 413) and Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in ophthalmology.

454 Veterinary Technology Clerkship in Critical Care
Fall, Spring, Summer. 3 credits. P: VM 412 R: (VM 410 and VM 411 and VM 413) and Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in critical care.

455 Veterinary Technology Clerkship in Companion Animal Oncology
Fall, Spring, Summer. 3 credits. P: (VM 411 and VM 412 and VM 413 and VM 410) and completion of Tier I writing requirement R: Open to students in the Veterinary Technology major. Approval of college. Application of principles and techniques in companion animal oncology.

456 Veterinary Technology Clerkship in Companion Animal Physical Rehabilitation
Fall, Spring, Summer. 3 credits. P: VM 413 R: Open to students in the Veterinary Technology major. Approval of college. Application of principles and techniques in companion animal physical rehabilitation, particularly those animals recovering from orthopedic and neurologic injuries and surgeries.

458 Veterinary Technology Clerkship in Companion Animal Diagnostic Ultrasound
Fall, Spring, Summer. 3 credits. P: VM 411 R: Open to students in the Veterinary Technology major. Approval of college. Application of principles and techniques of diagnostic ultrasound.

466 Veterinary Technology Clerkship in Large Animal Anesthesia
Fall, Spring, Summer. 3 credits. P: VM 410 and VM 415 R: Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques of food animal and equine anesthesia.

470 Veterinary Technology Clerkship in Food Animal Medicine
Fall, Spring, Summer. 3 to 6 credits. P: VM 466 R: Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in food animal medicine.

480 Veterinary Technology Clerkship in Clinical Pathology
Fall, Spring, Summer. 3 credits. P: VM 270 and VM 275 and VM 303 and VM 304 R: Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in clinical pathology.

482 Veterinary Technology Clerkship in Necropsy
Fall, Spring, Summer. 3 credits. P: VM 270 and VM 275 and VM 303 and VM 304 R: Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in postmortem examination of common domestic species with emphasis on specimen description, collection, and submission.

483 Veterinary Technology Clerkship in Biomedical Research
Fall, Spring, Summer. 3 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: VM 270 and VM 275 and VM 303 and VM 304 R: (VM 410 and VM 482) and Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in biomedical research involving laboratory animals.

484 Veterinary Technology Clerkship in Zoo and Wildlife Medicine
Fall, Spring, Summer. 3 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: VM 270 and VM 275 and VM 303 and VM 304 R: (VM 410 and VM 482) and Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in zoo and wildlife medicine.

486 Veterinary Technology Clerkship in Clinical Parasitology
Fall, Spring, Summer. 3 credits. P: VM 245 R: Completion of preclinical coursework. R: Open only to Veterinary Technology majors. Application of principles and techniques in clinical parasitology.
524  Basic Science in Clinical Medicine
Spring. 1(0-2) R: Open to graduate-professional students in the College of Veterinary Medicine.

533  Veterinary Epidemiology
Fall. 3(3-0) R: Completion of Year 1 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

534  Hematological, Oncological and Dermatological Diseases
Fall. 3(3-0) RB: Completion of Year 2 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

535  Neurological and Ophthalmological Diseases
Fall. 3(3-0) RB: Completion of Year 2 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

536  Digestive Diseases of Domestic Animals
Fall. 3(3-0) RB: Completion of Year 2 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

537  Operative Surgery
Fall. 2(1-3) RB: Completion of Year 2 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

538  Digestive Diseases of Domestic Animals
Fall. 3(3-0) RB: Completion of Year 2 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

539  Metabolic and Endocrinological Diseases
Fall. 2(2-0) RB: Completion of Year 1 in the graduate professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

540  Veterinary Career Development and Practice Management
Spring. 2(2-0) R: Open to graduate-professional students in the College of Veterinary Medicine.

541  Veterinary Career Development and Practice Management
Spring. 2(2-0) R: Open to graduate-professional students in the College of Veterinary Medicine.

542  Cardiovascular Diseases
Spring. 2(2-0) RB: Completion of year 1 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

543  Cardiovascular Diseases
Spring. 2(2-0) RB: Completion of year 1 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

544  Veterinary Public Health
Fall. 2(2-0) RB: Completion of year 1 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

545  Principles of Anesthesia and Surgery
Spring. 4(3-2) RB: Completion of year 1 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

546  Musculoskeletal Diseases
Spring. 4(4-0) RB: Completion of year 1 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

547  Respiratory Diseases
Fall. Spring. 2(2-0) RB: Completion of year 1 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

548  Principles of Diagnostic Imaging
Spring. 1(1-2) R: Open to graduate-professional students in the College of Veterinary Medicine.

549  Applied Diagnostic Imaging
Fall. Spring. 1(0-2) RB: Completion of Year 1 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

550  Theriogenology and Urinary Diseases
Fall. 5(4-2) RB: Completion of Year 2 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

551  Clinical Competencies I
Fall. 2(1-2) R: Open to graduate-professional students in the College of Veterinary Medicine.

552  Comparative Lifestage Nutrition
Spring. 1(1-0) R: Open to graduate-professional students in the College of Veterinary Medicine.

553  Theriogenology and Urinary Diseases
Fall. 5(4-2) RB: Completion of Year 2 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

554  Hematological, Oncological and Dermatological Diseases
Fall. 3(3-0) RB: Completion of Year 2 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

555  Neurological and Ophthalmological Diseases
Fall. 3(3-0) RB: Completion of Year 2 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

556  Digestive Diseases of Domestic Animals
Fall. 3(3-0) RB: Completion of Year 2 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

557  Operative Surgery
Fall. 2(1-3) RB: Completion of Year 2 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

558  Digestive Diseases of Domestic Animals
Fall. 3(3-0) RB: Completion of Year 2 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

559  Metabolic and Endocrinological Diseases
Fall. 2(2-0) RB: Completion of Year 1 in the graduate professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.

560  Veterinary Externship
Fall. Spring. Summer. 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P: VM 270 and VM 275 and VM 303 and VM 304 RB: Completion of the didactic core curriculum.

561  Veterinary Externship
Fall. Spring. Summer. 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P: VM 270 and VM 275 and VM 303 and VM 304 RB: Completion of the didactic core curriculum.

562  Veterinary Externship
Fall. Spring. Summer. 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P: VM 270 and VM 275 and VM 303 and VM 304 RB: Completion of the didactic core curriculum.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>810</td>
<td>Food Safety Introduction and Professional Management</td>
<td>Fall, Spring, Summer. 2 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. RB: One year of college level science including one semester of microbiology. R: Open only to students in the Master of Science degree in Food Safety or approval of college. Various food safety topics. Organizational, managerial, leadership and communication skills.</td>
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<tr>
<td>811</td>
<td>Evolution and Ecology of Foodborne Pathogens</td>
<td>Fall, Spring. 3 credits. R: Open to master’s students in the Food Safety major or approval of college. Evolution of foodborne pathogens. Ecology of microbial organisms found in the food chain from introduction through human consumption.</td>
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<tr>
<td>812</td>
<td>Food Safety Toxicology</td>
<td>Fall, Spring. 3 credits. R: Open to master’s students in the Food Safety major or approval of college. Nature and properties of toxic substances through the food chain. Nature and magnitude of hazards to human health.</td>
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<tr>
<td>813</td>
<td>Special Studies in Food Safety</td>
<td>Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to students in the Master of Science degree in Food Safety or approval of college. Faculty supervised independent study on an experimental, theoretical or applied project. May involve on-campus or off-campus experience.</td>
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<tr>
<td>814</td>
<td>Packaging for Food Safety</td>
<td>Summer. 3 credits. Interdepartmental with Packaging. Administered by Veterinary Medicine. RB: Enrollment in graduate program in related field. R: Open to masters students in the Food Safety major and open to graduate students in the Packaging major or approval of college. Current issues in packaging and food safety.</td>
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<tr>
<td>815</td>
<td>Applied Project in Food Safety</td>
<td>Fall, Spring, Summer. 3 credits. P: VM 810 or approval of college R: Open to master’s students in the Food Safety major or approval of college. Faculty directed student project.</td>
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<tr>
<td>817</td>
<td>Pre-Harvest Food Safety</td>
<td>Fall, Spring. 3 credits. RB: Enrollment in graduate program in related field. R: Open only to master’s students in Food Safety or approval of college. Principles for improvement of pre-harvest food safety. Emphasis on microbial, chemical, and toxic hazards. Strategies to reduce pre-harvest risks in many food production species.</td>
</tr>
<tr>
<td>820</td>
<td>Current Topics in Comparative Medicine and Integrative Biology</td>
<td>Fall, Spring. 1 to 2 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: Enrollment in graduate-professional program or graduate program in the biomedical sciences. R: Open to graduate students in the College of Veterinary Medicine. Topics in comparative medicine using recently published literature to illustrate concepts.</td>
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<tr>
<td>821</td>
<td>Food Protection and Defense</td>
<td>Fall, Spring. 3 credits. Interdepartmental with Criminal Justice. Administered by Veterinary Medicine. R: Open only to graduate students in the College of Veterinary Medicine or Food Safety major or Criminal Justice major or approval of college. Food systems and criminal justice approaches to prepare for and solve issues relating to food safety and defense.</td>
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<tr>
<td>828</td>
<td>Food Safety Seminar Series</td>
<td>Fall, Spring. 1(1-0) Interdepartmental with Agriculture and Natural Resources and Natural Science and Social Science. Administered by Veterinary Medicine. RB: Enrollment in graduate program in related discipline. Selected current topics covering the broad areas of food safety as they relate to production, processing, transport, microbiology, toxicology, and social and human dimensions.</td>
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<tr>
<td>829</td>
<td>Problems in Food Safety</td>
<td>Fall. 1(1-0) Interdepartmental with Agriculture and Natural Resources and Natural Science and Social Science. Administered by Veterinary Medicine. RB: Enrollment in graduate program in related discipline. In-depth discussion of selected problems in food safety.</td>
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<tr>
<td>830</td>
<td>Food Safety Research Methods</td>
<td>Fall, Summer. 3(3-0) R: Open to graduate students in the College of Veterinary Medicine or approval of college. Conducting and interpreting food safety research. Interpretation and critique of the literature, study design, and communication of food safety research.</td>
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<tr>
<td>831</td>
<td>Foodborne Disease Epidemiology for the Professional</td>
<td>Fall, Summer. 3(3-0) R: Open to master’s students in the Food Safety major or approval of college. Applied foodborne disease investigation through the use of case studies.</td>
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<tr>
<td>832</td>
<td>Food Safety Disease Control</td>
<td>Summer. 3(3-0) R: Open to graduate students in the Food Safety major or approval of college. Applied approaches to food borne disease control using case studies.</td>
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<tr>
<td>840</td>
<td>Anti-Counterfeit Strategy and Product Protection</td>
<td>Summer. 3(3-0) Interdepartmental with Criminal Justice and Packaging. Administered by Veterinary Medicine. R: Open to graduate students in the School of Criminal Justice or in the School of Packaging or in the Food Safety major or approval of department. Theory and applied techniques for anti-counterfeit strategies and product protection for food and consumer products.</td>
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<tr>
<td>899</td>
<td>Master’s Thesis Research</td>
<td>Fall, Spring. Summer. 1 to 10 credits. A student may earn a maximum of 18 credits in all enrollments for this course. Masters thesis research.</td>
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<tr>
<td>999</td>
<td>Doctoral Dissertation Research</td>
<td>Fall, Spring. Summer. 1 to 36 credits. A student may earn a maximum of 36 credits in all enrollments for this course. Doctoral dissertation research.</td>
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