

AG - VET TECH (AGV)

AGV-103 Introduction to Veterinary Science (3)

Studies the comparative anatomy and physiology of the major body systems of domestic animals and how anatomy and physiology are altered in disease states. Examines the effects of environment, stress, disease and nutrition on animal physiology and well-being. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture

AGV-105 Animal Behavior/Kennel Management (5)

Studies basic animal behavior and the influences that modify behavior and kennel management including laws, records and daily operation of kennels. Practical experience is included. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture, 4.0 lab

Prerequisite: Minimum C- in AGV-116. Minimum C- in AGV-120. Minimum C- in AGV-118. Minimum C- in AGV-152.

AGV-116 Introduction to the Veterinary Technology Program (1)

Provides students with an overview of the Veterinary Technician Program including program policies, the profession's legal and ethical considerations, and requirements for taking state and national credentialing examinations. Arts & Sciences Elective Code: B

Hours per week: 1.0 lecture

AGV-117 Professionalism for Veterinary Technicians (1)

Focuses on professionalism and soft skills for veterinary technicians. Develops written and oral business communications. Arts & Sciences Elective Code: B

Hours per week: 1.0 lecture

Prerequisite: Minimum C- in AGV-140. Minimum C- in AGV-214. Minimum C- in AGV-161. Minimum C- in AGV-167.

AGV-118 Animal Anatomy and Physiology I (4)

Beginning anatomy and physiology with veterinary clinical emphasis. Provides the basis for study of conformation, production and pathological processes of diseases of dogs, cats, horses, sheep, goats, cattle, swine and laboratory animals. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture, 2.0 lab

AGV-120 Veterinary Medical Terminology (1)

Focuses on reading and interpreting medical charts and records, and conversing with veterinary professionals. Designed for students to develop a working understanding of the language of veterinary medicine. Arts & Sciences Elective Code: B

Hours per week: 1.0 lecture

AGV-127 Animal Anatomy and Physiology II (4)

Studies anatomy and physiologic principles of domestic animals. Continuation of physiological principles in Animal Anatomy and Physiology I. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture, 2.0 lab

Prerequisite: Minimum C- in AGV-118. Minimum C- in AGV-116. Minimum C- in AGV-120. Minimum C- in AGV-152.

AGV-140 Veterinary Pharmacology (3)

Studies medications and products commonly used in veterinary medicine. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture

Prerequisite: Minimum C- in AGV-127. Minimum C- in AGV-142. Minimum C- in AGV-105.

AGV-142 Mathematics for Veterinary Technicians (3)

Covers pharmaceutical mathematics with an emphasis on dosage calculations and fluid therapy as related to veterinary medicine. Course is open to Vet Tech students only. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture

Prerequisite: Minimum C- in AGV-116. Minimum C- in AGV-120. Minimum C- in AGV-118. Minimum C- in AGV-152.

AGV-144 Fundamentals of Small Animal Nutrition (3)

Covers essential nutrients and the roles of each in an animal's metabolism, with an emphasis on the nutritional management of dogs and cats. Basic clinical and therapeutic nutrition are covered in depth. Includes analysis of many commercial pet foods. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture

Prerequisite: Minimum C- in AGV-140. Minimum C- in AGV-214. Minimum C- in AGV-161. Minimum C- in AGV-167.

AGV-152 Veterinary Computer Applications (2)

Introduces the student to computer software commonly used in veterinary practice. Students will become proficient in the use of Microsoft Office software and software used in the routine management of veterinary records. Arts & Sciences Elective Code: B

Hours per week: 2.0 lecture

AGV-161 Animal Nursing I (3)

Introduces the fundamentals of animal nursing. Includes animal handling and restraint, patient admission and history, preparation and administration of vaccines and medications, care of hospitalized patients, introduction to radiology, practice management, client relations and sanitation. Limited to Veterinary Technician students. Arts & Sciences Elective Code: B

Hours per week: 1.0 lecture, 4.0 lab

Prerequisite: Minimum C- in AGV-105. Minimum C- in AGV-142. Minimum C- in AGV-127.

AGV-162 Animal Nursing II (3)

Continuation of Animal Nursing I. Covers foundation material in pre- and post-surgical care, surgical assisting, fluid therapy, dental prophylaxis, anesthesiology, clinical pharmacy and basic nursing skills. Clinic and hospital record keeping are covered with an introduction to practical radiology. Arts & Sciences Elective Code: B

Hours per week: 6.0 lab

Prerequisite: Minimum C- in AGV-140. Minimum C- in AGV-161. Minimum C- in AGV-214. Minimum C- in AGV-167.

AGV-163 Animal Nursing III (3)

Continuation of Animal Nursing II. Emphasis is on radiology, record keeping, pharmacology associated with emergency care, inventory control, anesthesiology, dentistry, surgical assistance, and raptor care skills. Arts & Sciences Elective Code: B

Hours per week: 6.0 lab

Prerequisite: Minimum C- in AGV-162. Minimum C- in AGV-117. Minimum C- in AGV-144. Minimum C- in AGV-168. Minimum C- in AGV-215.

AGV-168 Veterinary Clinic Pathology II (3)

Basic clinical pathology laboratory procedures including specimen collection and preservation, hematology, and fecal exam preparation. Hematology will include preparation and performance of PCV, Hb, WBC, RBC counts, preparation and staining blood smears, and performance of differential cell counts. Limited to Veterinary Technician students. Arts & Sciences Elective Code: B

Hours per week: 2.0 lecture, 2.0 lab

Prerequisite: Minimum C- in AGV-167. Minimum C- in AGV-140. Minimum C- in AGV-214. Minimum C- in AGV-161.

AGV-169 Veterinary Clinic Pathology III (3)

Refinement of hematology and other skills acquired in Veterinary Clinical Pathology II. Additional units include urinalysis, electrocardiography, necropsy, cytology and specialized clinical procedures. Arts & Sciences Elective Code: B

Hours per week: 2.0 lecture, 2.0 lab

Prerequisite: Minimum C- in AGV-117. Minimum C- in AGV-144. Minimum C- in AGV-162. Minimum C- in AGV-168. Minimum C- in AGV-215.

AGV-171 Large Animal and Poultry Medicine (4)

Common and significant disease and health problems of livestock and poultry. Emphasis on herd/flock health, etiology, clinical symptoms, treatment and prevention. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture, 2.0 lab

Prerequisite: Minimum C- in AGV-117. Minimum C- in AGV-144. Minimum C- in AGV-162. Minimum C- in AGV-168. Minimum C- in AGV-215.

AGV-206 Canine Behavior & Handling (3)

Introduces the observation and understanding of canine behavior and safe handling techniques for the pet groomer. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture

AGV-214 Small Animal Medicine I (3)

Discusses diseases affecting small animals with emphasis on etiology, clinical symptoms, treatment and prevention. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture

Prerequisite: Minimum C- in AGV-127. Minimum C- in AGV-105. Minimum C- in AGV-142.

AGV-215 Small Animal Medicine II (3)

Continues Small Animal Medicine I. Discusses diseases affecting small animals with emphasis on etiology, clinical symptoms, treatment and prevention. Emphasizes metabolic diseases, diseases of the cardiovascular, digestive, and urogenital system. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture

Prerequisite: Minimum C- in AGV-214. Minimum C- in AGV-140. Minimum C- in AGV-161. Minimum C- in AGV-167.

AGV-216 Avian, Exotics, and Small Mammals (2)

Introduces laboratory animals used in research and avian, reptiles, and small mammals. Teaches practical care with selected animals. Arts & Sciences Elective Code: B

Hours per week: 2.0 lecture

Prerequisite: Minimum C- in AGV-162. Minimum C- in AGV-168. Minimum C- in AGV-117. Minimum C- in AGV-144. Minimum C- in AGV-215.

AGV-217 Diagnostic Technologies (2)

Introduces technology commonly used in veterinary practices to diagnose and treat animals. Emphasizes imaging technologies and proper positioning for quality results. Covers therapeutic and other technologies. Arts & Sciences Elective Code: B

Hours per week: 1.0 lecture, 2.0 lab

Prerequisite: Minimum C- in AGV-162. Minimum C- in AGV-215. Minimum C- in AGV-117. Minimum C- in AGV-144. Minimum C- in AGV-168.

AGV-221 Professionalism for Pet Groomers (1)

Focuses on professionalism and soft skills necessary for pet groomers. Reviews successful communication techniques required by a retail grooming business. Arts & Sciences Elective Code: B

Hours per week: 1.0 lecture

AGV-226 Advanced Veterinary Clinical Pathology (3)

Enhances the knowledge and skills of areas of diagnostic laboratory medicine learned in Introduction to Veterinary Clinical Pathology. Focuses on hematology, urinalysis, microbiology, and cytological techniques.

Develops a comprehensive understanding of laboratory procedures and their applications in veterinary practice. Arts & Sciences Elective Code: B

Hours per week: 2.0 lecture, 2.0 lab

Prerequisite: Minimum C- in AGV-214. Minimum C- in AGV-167. Minimum C- in AGV-161. Minimum C- in AGV-140.

AGV-227 Veterinary Technician Capstone (2)

Applies skills and knowledge acquired in the Veterinary Technician program to demonstrate proficiency in key areas. Emphasizes the connection between classroom learning and the practice of veterinary technology in the professional world. Enhances preparation for the state and national veterinary technology examinations. Arts & Sciences Elective Code: B

Hours per week: 2.0 lecture

Prerequisite: Minimum C- in AGV-215. Minimum C- in AGV-162. Minimum C- in AGV-117. Minimum C- in AGV-144. Minimum C- in AGV-226.

AGV-255 Introduction to Veterinary Clinical Pathology (3)

Introduces essential principles and practices of veterinary clinical pathology and laboratory techniques. Includes hands-on practice and foundational knowledge of sample collection, handling, and analysis for feces, urine, blood, and other veterinary samples. Covers the basics of parasitology, cytology, hematology and urinalysis. Practices performing common diagnostic tests and processes, including the running and maintenance of laboratory equipment and quality control. Arts & Sciences Elective Code: B

Hours per week: 2.0 lecture, 2.0 lab

Prerequisite: Minimum C- in AGV-127. Minimum C- in AGV-142. Minimum C- in AGV-105.

AGV-948 Special Projects (1-3)

Includes an agreed-to development plan for an applied problem solution. Student and instructor meet on a weekly basis to review progress. Arts & Sciences Elective Code: B

Hours per week: 1.0 lecture