

VETERINARY MEDICINE

*Effective Term – Fall 1998 [1998*03]*

VET 110	Animal Breeds and Husbandry	2	2	0	3
Prerequisites:	None				
Corequisites:	None				

This course provides a study of the individual breed characteristics and management techniques of the canine, feline, equine, bovine, porcine, ovine, caprine, and laboratory animals. Topics include physiological data, animal health management, and basic care and handling of animals. Upon completion, students should be able to identify breeds of domestic and laboratory animals, list physiological data, and outline basic care, handling, and management techniques.

*Effective Term – Summer 1997 [1997*02]*

VET 110	Animal Breeds and Husbandry	2	2	0	3
Prerequisites:	Enrollment in Veterinary Medical Technology program				
Corequisites:	None				

This course provides a study of the individual breed characteristics and management techniques of the canine, feline, equine, bovine, porcine, ovine, caprine, and laboratory animals. Topics include physiological data, animal health management, and basic care and handling of animals. Upon completion, students should be able to identify breeds of domestic and laboratory animals, list physiological data, and outline basic care, handling, and management techniques.

*Effective Term – Fall 1998 [1998*03]*

VET 111	Large Animal Breeds	1	0	0	1
Prerequisites:	None				
Corequisites:	None				

This course covers individual breed characteristics and management techniques for the bovine, porcine, caprine, ovine, and laboratory animals. Topics include physiological data, animal health management, and basic care and handling of large animals. Upon completion, students should be able to correctly identify breeds of domestic and laboratory animals, list physiological data, and outline basic care, handling, and management techniques.

*Effective Term – Summer 1997 [1997*02]*

VET 111	Large Animal Breeds	1	0	0	1
Prerequisites:	Enrollment in Veterinary Medical Technology program				
Corequisites:	None				

This course covers individual breed characteristics and management techniques for the bovine, porcine, caprine, ovine, and laboratory animals. Topics include physiological data, animal health management, and basic care and handling of large animals. Upon completion, students should be able to correctly identify breeds of domestic and laboratory animals, list physiological data, and outline basic care, handling, and management techniques.

*Effective Term – Fall 1998 [1998*03]*

VET 112	Companion Animal Breeds	2	0	0	2
Prerequisites:	None				
Corequisites:	None				

This course is a study of individual breed characteristics of the canine, feline, and equine species. Topics include physiological data, animal health management, and basic care and handling of companion animals. Upon completion, students should be able to correctly identify breeds of dogs, cats, and horses; list physiological data; and outline basic care, handling, and management techniques.

*Effective Term – Summer 1997 [1997*02]*

VET 112	Companion Animal Breeds	2	0	0	2
Prerequisites:	Enrollment in Veterinary Medical Technology program				
Corequisites:	None				

This course is a study of individual breed characteristics of the canine, feline, and equine species. Topics include physiological data, animal health management, and basic care and handling of companion animals. Upon completion, students should be able to correctly identify breeds of dogs, cats, and horses; list physiological data; and outline basic care, handling, and management techniques.

*Effective Term – Fall 1998 [1998*03]*

VET 114	Intro to Vet Med Tech	1	0	0	1
Prerequisites:	None				
Corequisites:	None				

This course introduces the standard operating procedures and responsibilities of veterinary medical technology departments, common zoonotic diseases, safety and ethical issues, and USDA/DEA/OSHA regulations/compliance. Emphasis is placed on standard operating procedures, zoonotic diseases, safety and ethical issues, and the importance of USDA/DEA/OSHA regulations and compliance. Upon completion, students should be able to perform duties assigned in veterinary medical technology, recognize potential zoonotic diseases, and establish safety protocols/regulatory compliance.

*Effective Term – Summer 1997 [1997*02]*

VET 114	Intro to Vet Med Tech	1	0	0	1
Prerequisites:	Enrollment in Veterinary Medical Technology program				
Corequisites:	None				

This course introduces the standard operating procedures and responsibilities of veterinary medical technology departments, common zoonotic diseases, safety and ethical issues, and USDA/DEA/OSHA regulations/compliance. Emphasis is placed on standard operating procedures, zoonotic diseases, safety and ethical issues, and the importance of USDA/DEA/OSHA regulations and compliance. Upon completion, students should be able to perform duties assigned in veterinary medical technology, recognize potential zoonotic diseases, and establish safety protocols/regulatory compliance.

*Effective Term – Fall 1998 [1998*03]*

VET 120	Vet Anatomy & Physiology	3	3	0	4
Prerequisites:	None				
Corequisites:	None				

This course covers the structure and function of the animal body with emphasis on the similarities and differences among domestic animals. Emphasis is placed on the structure and function of the major physiological systems of domestic, laboratory, and zoo animals. Upon completion, students should be able to identify relevant anatomical structure and describe basic physiological processes for the major body systems.

*Effective Term – Summer 1997 [1997*02]*

VET 120	Vet Anatomy & Physiology	3	3	0	4
Prerequisites:	Enrollment in the Veterinary Medical Technology program				
Corequisites:	None				

This course covers the structure and function of the animal body with emphasis on the similarities and differences among domestic animals. Emphasis is placed on the structure and function of the major physiological systems of domestic, laboratory, and zoo animals. Upon completion, students should be able to identify relevant anatomical structure and describe basic physiological processes for the major body systems.

*Effective Term – Spring 2004 [2004*01] – CRC 09/10/03*

VET 121	Vet Medical Terminology	3	0	0	3
Prerequisites:	None				
Corequisites:	None				

This course covers the basic medical terminology required for veterinary technicians. Topics include the pronunciation, spelling, and definition of word parts and vocabulary terms unique to the anatomy, clinical pathology, and treatment of animals. Upon completion, students should be able to demonstrate knowledge and understanding of basic medical terms as they relate to veterinary medicine.

*Effective Term – Fall 1998 [1998*03]*

VET 122	Veterinary Zoology	3	3	0	4
Prerequisites:	None				
Corequisites:	None				

This course introduces basic concepts and principles of biology including cell structure, metabolism, genetics, evolution, and ecology. Topics include anatomy and physiology, phylogeny, and taxonomy of the animal kingdom. Upon completion, students should be able to explain basic life processes and identify evolutionary relationships among members of the animal kingdom.

*Effective Term – Summer 1997 [1997*02]*

VET 122	Veterinary Zoology	3	3	0	4
Prerequisites:	Enrollment in Veterinary Medical Technology program				
Corequisites:	None				

This course introduces basic concepts and principles of biology including cell structure, metabolism, genetics, evolution, and ecology. Topics include anatomy and physiology, phylogeny, and taxonomy of the animal kingdom. Upon completion, students should be able to explain basic life processes and identify evolutionary relationships among members of the animal kingdom.

*Effective Term – Fall 1998 [1998*03]*

VET 123	Veterinary Parasitology	2	3	0	3
Prerequisites:	None				
Corequisites:	None				

This course covers the common internal and external parasites of companion animals, livestock, selected zoo animals, and wild animals. Emphasis is placed on laboratory diagnosis of the most common forms of the parasite through fecal, urine, skin, and blood exams. Upon completion, students should be able to identify common parasites and discuss life-cycles, treatment and prevention strategies, and public health aspects of veterinary parasitology.

*Effective Term – Summer 1997 [1997*02]*

VET 123	Veterinary Parasitology	2	3	0	3
Prerequisites:	Enrollment in Veterinary Medical Technology program				
Corequisites:	None				

This course covers the common internal and external parasites of companion animals, livestock, selected zoo animals, and wild animals. Emphasis is placed on laboratory diagnosis of the most common forms of the parasite through fecal, urine, skin, and blood exams. Upon completion, students should be able to identify common parasites and discuss life-cycles, treatment and prevention strategies, and public health aspects of veterinary parasitology.

*Effective Term – Fall 1998 [1998*03]*

VET 125	Veterinary Diseases I	2	0	0	2
Prerequisites:	None				
Corequisites:	None				

This course introduces basic immunology, fundamentals of disease processes including inflammation, and common infectious diseases of animals and their prevention through immunization. Topics include fundamental disease processes, principles of medical therapy, immunologic processes, infections and zoonotic diseases of domestic animals, and prevention of disease. Upon completion, students should be able to describe basic disease and immunological processes, recognize infections and zoonotic diseases, and discuss prevention strategies.

*Effective Term – Summer 1997 [1997*02]*

VET 125	Veterinary Diseases I	2	0	0	2
Prerequisites:	Enrollment in Veterinary Medical Technology program				
Corequisites:	None				

This course introduces basic immunology, fundamentals of disease processes including inflammation, and common infectious diseases of animals and their prevention through immunization. Topics include fundamental disease processes, principles of medical therapy, immunologic processes, infections and zoonotic diseases of domestic animals, and prevention of disease. Upon completion, students should be able to describe basic disease and immunological processes, recognize infections and zoonotic diseases, and discuss prevention strategies.

*Effective Term – Spring 2001 [2001*01]*

VET 126	Veterinary Diseases II	1	3	0	2
Prerequisites:	VET 125				
Corequisites:	None				

This course includes the study of basic disease processes, fundamentals of pathology and other selected topics of veterinary medicine. Topics include histopathology, pathologic changes associated with common diseases of animals, necropsy procedures, specimen handling, and other selected material. Upon completion, students should be able to describe basic pathologic changes associated with disease, recognize histopathologic changes, and properly perform collection and submission of necropsy specimens.

*Effective Term – Summer 1997 [1997*02]*

VET 126	Veterinary Diseases II	1	0	0	1
Prerequisites:	VET 125				
Corequisites:	None				

This course is a continuation of VET 125 and includes the study of basic disease processes and fundamentals of pathology. Topics include histopathology, pathologic changes associated with common diseases of animals, necropsy procedures, and specimen handling. Upon completion, students should be able to describe basic pathologic changes associated with disease, recognize histopathologic changes, and properly perform collection and submission of necropsy specimens.

*Effective Term – Summer 1997 [1997*02]*

VET 131	Vet Lab Techniques I	2	3	0	3
Prerequisites:	VET 123				
Corequisites:	VET 133				

This course includes the fundamental study of hematology, hemostasis, and urinalysis. Emphasis is placed on basic hematology and urinalysis techniques, manual skill development, instrumentation, quality control, and applications to veterinary science. Upon completion, students should be able to perform manual and automated CBCs, hemostatic assays, and complete urinalyses and maintain laboratory equipment and quality control.

*Effective Term – Fall 1998 [1998*03]*

VET 133	VET Clinical Practice I	2	3	0	3
Prerequisites:	None				
Corequisites:	VET 120				

This course introduces basic practices and techniques of the veterinary clinic and biomedical research fields for dogs, cats, and laboratory animals. Topics include physical exam, husbandry, housing, sanitation, restraint and handling, administration of medications, anesthesia and euthanasia techniques, grooming, and dentistry. Upon completion, students should be able to properly restrain, medicate, examine, groom, and maintain each of the species studied.

*Effective Term – Summer 1997 [1997*02]*

VET 133	VET Clinical Practice I	2	3	0	3
Prerequisites:	Enrollment in Veterinary Medical Technology program				
Corequisites:	VET 120				

This course introduces basic practices and techniques of the veterinary clinic and biomedical research fields for dogs, cats, and laboratory animals. Topics include physical exam, husbandry, housing, sanitation, restraint and handling, administration of medications, anesthesia and euthanasia techniques, grooming, and dentistry. Upon completion, students should be able to properly restrain, medicate, examine, groom, and maintain each of the species studied.

*Effective Term – Spring 2001 [2001*01]*

VET 137 Vet Office Practices

Prerequisites: None

Corequisites: None

1 2 0 2

This course is designed to teach basic administrative techniques, client communication skills, and regulations pertaining to veterinary medicine. Topics include record keeping, telephone techniques, professional liability, office procedures, state and national regulatory laws, human relations, and animal welfare. Upon completion, students should be able to demonstrate effective communication techniques, office procedures, and knowledge of regulatory laws and issues relating to animal welfare.

*Effective Term – Fall 1998 [1998*03]*

VET 137 Vet Office Practices

Prerequisites: None

Corequisites: None

1 3 0 2

This course is designed to teach basic administrative techniques, client communication skills, and regulations pertaining to veterinary medicine. Topics include record keeping, telephone techniques, professional liability, office procedures, state and national regulatory laws, human relations, and animal welfare. Upon completion, students should be able to demonstrate effective communication techniques, office procedures, and knowledge of regulatory laws and issues relating to animal welfare.

*Effective Term – Summer 1997 [1997*02]*

VET 137 Vet Office Practices

Prerequisites: Enrollment in Veterinary Medical Technology program

Corequisites: None

1 3 0 2

This course is designed to teach basic administrative techniques, client communication skills, and regulations pertaining to veterinary medicine. Topics include record keeping, telephone techniques, professional liability, office procedures, state and national regulatory laws, human relations, and animal welfare. Upon completion, students should be able to demonstrate effective communication techniques, office procedures, and knowledge of regulatory laws and issues relating to animal welfare.

*Effective Term – Summer 1997 [1997*02]*

VET 211 Vet Lab Techniques II

Prerequisites: VET 131

Corequisites: VET 213

2 3 0 3

This course covers advanced hematology, serology, immunology, and clinical chemistry. Topics include advanced hematologic, serologic, and immunologic test procedures: manual and automated clinical chemistry procedures: laboratory safety: and quality control. Upon completion, students should be able to collect, prepare, and analyze serum and plasma samples and outline quality control and safety procedures.

*Effective Term – Summer 1997 [1997*02]*

VET 212	Vet Lab Techniques III	2	3	0	3
Prerequisites:	VET 211				
Corequisites:	VET 214				

This course introduces the basic principles of microbiology, histology, and cytology. Emphasis is placed on collection of microbiological samples for culture and sensitivity and collection and preparation of samples for histological and cytological examination. Upon completion, students should be able to perform microbiological culture and sensitivity and evaluate cytology and histology specimens.

*Effective Term – Summer 1997 [1997*02]*

VET 213	VET Clinical Practice II	1	9	0	4
Prerequisites:	VET 133				
Corequisites:	None				

This course covers basic radiography, anesthesia techniques, dentistry, sample collection and handling, surgical assistance and instrumentation, sterile techniques, and patient record keeping. Topics include basic radiography, injectable and gas anesthesia, dentistry, instrument identification and care, sterile surgical technique, specimen collection and processing, and maintenance of patient records. Upon completion, students should be able to take and process radiographs, administer and monitor anesthesia, assist in surgical procedures, collect specimens, and maintain surgical records.

*Effective Term – Summer 1997 [1997*02]*

VET 214	VET Clinical Practice III	1	9	0	4
Prerequisites:	VET 213				
Corequisites:	None				

This course covers advanced anesthetic techniques, special radiographic techniques, advanced dentistry, sample collection and processing, bandaging, and emergency and critical care procedures. Topics include induction and maintenance of anesthesia, radiographic contrast studies, advanced dentistry, external coaptation, intensive care procedures, and advanced sample collection techniques. Upon completion, students should be able to demonstrate proficiency in sample collection, radiology, anesthesia, critical care and emergency procedures, and dentistry.

*Effective Term – Spring 2007 [2007*01]- CRC 03/22/06*

VET 215	Veterinary Pharmacology	3	0	0	3
Prerequisites:	CHM 130 and CHM 130A or CHM 151				
Corequisites:	VET 213				

This course introduces drugs and other substances utilized in veterinary medicine. Emphasis is placed on drug classification and methods of action, administration, effects and side effects, storing and handling of drugs, and dosage calculations. Upon completion, students should be able to properly calculate and administer medications, recognize adverse reactions, and maintain pharmaceutical inventory and administration records.

*Effective Term – Summer 1997 [1997*02]*

VET 215	Veterinary Pharmacology	3	0	0	3
Prerequisites:	CHM 130 and CHM 130A				
Corequisites:	VET 213				

This course introduces drugs and other substances utilized in veterinary medicine. Emphasis is placed on drug classification and methods of action, administration, effects and side effects, storing and handling of drugs, and dosage calculations. Upon completion, students should be able to properly calculate and administer medications, recognize adverse reactions, and maintain pharmaceutical inventory and administration records.

*Effective Term – Summer 1997 [1997*02]*

VET 217	Large Animal Clin Pract	2	3	0	3
Prerequisites:	VET 120				
Corequisites:	VET 213				

This course covers topics relevant to the medical and surgical techniques for the common domestic large animal species. Topics include physical exam, restraint, sample collection, bandaging, emergency treatment, surgical and obstetrical procedures and instruments, herd health, and lameness topics. Upon completion, students should be able to safely perform restraint, examination, and sample collection; assist surgical, obstetrical, and emergency procedures; and discuss herd health.

*Effective Term – Fall 1998 [1998*03]*

VET 237	Animal Nutrition	3	0	0	3
Prerequisites:	None				
Corequisites:	None				

This course covers the principles of nutrition and their application to feeding practices of domestic, farm, and companion animals. Topics include basic nutrients and nutritional needs of individual species, proximate analysis, interpretation of food and feed labels, types of animal foods, and ration formulation. Upon completion, students should be able to select appropriate diets for animals in various stages of health and disease, analyze nutrition labels, and identify foods.

*Effective Term – Summer 1997 [1997*02]*

VET 237	Animal Nutrition	3	0	0	3
Prerequisites:	Enrollment in Veterinary Medical Technology program				
Corequisites:	None				

This course covers the principles of nutrition and their application to feeding practices of domestic, farm, and companion animals. Topics include basic nutrients and nutritional needs of individual species, proximate analysis, interpretation of food and feed labels, types of animal foods, and ration formulation. Upon completion, students should be able to select appropriate diets for animals in various stages of health and disease, analyze nutrition labels, and identify foods.

See the SEL and SEM prefixes for generic Selected Topics and Seminar course descriptions.