VM 610 Foundations of Veterinary Medicine I  Credit: 1 (1.5-1.5-0)
Course Description: Development of professional skills (ethics, communication, physical exam, surgical skills) necessary for the practice of veterinary medicine.
Prerequisite: None.
Registration Information: Must register for lecture and laboratory. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 611 Foundations of Veterinary Medicine II  Credit: 1 (1.5-1.5-0)
Course Description: Development of professional skills (ethics, communication, physical exam, surgical skills) necessary for the practice of veterinary medicine.
Prerequisite: None.
Registration Information: Must register for lecture and laboratory. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 612 The Healer's Art  Credit: 1 (0-0-1)
Course Description: Exploration of student experiences, beliefs, and values related to their work as veterinary medical professionals.
Prerequisite: None.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Modes: S/U Sat/Unsat Only, Traditional.
Special Course Fee: No.

VM 616 Functional Anatomy  Credits: 8 (4-9-1)
Course Description: Embryonic development and organogenesis are incorporated to improve understanding of normal anatomy and common developmental pathologies.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Must register for lecture, laboratory, and recitation. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 618 Veterinary Physiology and Histology  Credits: 7 (5-6-0)
Course Description: Gross microscopic anatomy and physiology of gastrointestinal, cardiovascular, respiratory, hemopoietic, urinary systems in selected domestic animals.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Must register for lecture and laboratory. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 619 Veterinary Neurobiology  Credits: 4 (3-3-0)
Course Description: Structural and functional foundations of nervous system activity; introduction to clinical neurology.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Must register for lecture and laboratory. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 621 Exotic Animal Anatomy and Husbandry  Credits: 2 (1-2-0)
Course Description: Applied veterinary anatomy and husbandry of birds, reptiles, amphibians, and fish.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Must register for lecture and laboratory. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.
VM 623 Veterinary Nutrition and Metabolism Credits: 2 (2-0-0)
Course Description: Intermediary metabolism, nutrients, and animal nutrition.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.
VM 624 Veterinary Feeds and Feeding Credits: 3 (2-2-0)
Course Description: Description, advantages, and limitations of feedstuffs fed to domestic livestock; nutrient requirements and formulation of rations for various needs.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Must register for lecture and laboratory. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program. Sections may be offered: Online.
Term Offered: Spring.
Grade Mode: Instructor Option.
Special Course Fee: No.
VM 625 Principles of Diagnostic Imaging Credits: 2 (2-0-0)
Course Description: Diagnostic film and digital radiography, computed tomography, ultrasound, magnetic resonance, nuclear medicine, and radiographic and sonographic anatomy.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.
VM 623 Veterinary Nutrition and Metabolism Credits: 2 (2-0-0)
Course Description: Intermediary metabolism, nutrients, and animal nutrition.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.
VM 624 Veterinary Feeds and Feeding Credits: 3 (2-2-0)
Course Description: Description, advantages, and limitations of feedstuffs fed to domestic livestock; nutrient requirements and formulation of rations for various needs.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Must register for lecture and laboratory. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program. Sections may be offered: Online.
Term Offered: Spring.
Grade Mode: Instructor Option.
Special Course Fee: No.
VM 625 Principles of Diagnostic Imaging Credits: 2 (2-0-0)
Course Description: Diagnostic film and digital radiography, computed tomography, ultrasound, magnetic resonance, nuclear medicine, and radiographic and sonographic anatomy.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.
VM 626 Principles of Diagnostic Imaging Credits: 2 (2-0-0)
Course Description: Diagnostic film and digital radiography, computed tomography, ultrasound, magnetic resonance, nuclear medicine, and radiographic and sonographic anatomy.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.
VM 637 Veterinary Bacteriology and Mycology Credits: 3 (3-0-0)
Course Description: Biology of bacterial and fungal pathogens of animals with emphasis on common infectious diseases encountered in veterinary practice.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.
VM 638 Veterinary Parasitology Credits: 2 (2-0-0)
Course Description: Biology of helminth, arthropod, and protozoan pathogens of animals with emphasis on common infectious diseases encountered in veterinary practice.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.
VM 639 Veterinary Virology Credits: 2 (2-0-0)
Course Description: Biology of viral pathogens of animals with emphasis on common infectious diseases encountered in veterinary practice.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.
VM 640 Biology of Disease I Credits: 5 (4-0-1)
Course Description: Introduction to mechanisms of subcellular, cellular, tissue, and organ response to injury and associated pathological processes.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Must register for lecture and recitation. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.
VM 648 Food Animal Production and Food Safety Credits: 2 (2-0-0)
Also Offered As: VS 648.
Course Description: Basic orientation to food animal production units, herd health concepts, and issues of food safety from preharvest through processing and distribution.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program. Credit not allowed for both VM 648 and VS 648.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.
VM 680A2 Healer’s Art Credit: 1 (0-0-1)
Course Description: The Healer’s Art enables the formation of a community of inquiry between veterinary students and faculty, to share experiences, beliefs and personal truths.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: S/U Sat/Unsat Only.
Special Course Fee: No.
VM 707  Emerging Issues in Infectious Diseases  Credit: 1 (1-0-0)
Course Description: Influence of microbial, host, and environmental changes on the emergence, control, and prevention of infectious disease of veterinary importance.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 710  Foundations of Veterinary Medicine III  Credit: 1 (.5-1.5-0)
Course Description: Development of professional skills (ethics, communication, physical exam, surgical skills) necessary for the practice of veterinary medicine.
Prerequisite: None.
Registration Information: Must register for lecture and laboratory. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 711  Foundations of Veterinary Medicine IV  Credit: 1 (.5-1.5-0)
Course Description: Development of professional skills (ethics, communication, physical exam, surgical skills) necessary for the practice of veterinary medicine.
Prerequisite: None.
Registration Information: Must register for lecture and laboratory. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 712  Veterinary Professional Development  Credits: 3 (3-0-0)
Course Description: Veterinary professional development including personal and practice finance, legal issues, career development, practice management, client relations.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 714  Veterinary Preventive Medicine  Credits: 4 (4-0-0)
Course Description: Principles of health promotion and disease prevention in populations.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 716  Principles of Shelter Veterinary Medicine  Credit: 1 (1-0-0)
Course Description: Introduces the principles of veterinary shelter medicine. Emphasis on management of small animals with herd health concepts.
Prerequisite: None.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 720  Alternative and Complementary Therapeutics  Credit: 1 (1-0-0)
Course Description: Mechanisms and efficacy of alternative and complementary therapeutics used in veterinary medicine.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 721  Non-Mammalian Vertebrate Medicine  Credits: 2 (2-0-0)
Course Description: Diagnosis and treatment of diseases of non-mammalian vertebrates.
Admission to professional curriculum in veterinary medicine.
Prerequisite: VM 621.
Registration Information: All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 722  Veterinary Pharmacology  Credits: 4 (4-0-0)
Course Description: Basic and clinical pharmacology, therapeutic practice, and pharmacy management.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 724  Bioanalytical Pathology  Credits: 6 (4-0-2)
Course Description: Mechanisms, interpretation, and applications of laboratory analyses for solving diagnostic problems.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Must register for lecture and recitation. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.
VM 726 Principles of Imaging Interpretation I Credits: 2 (1-0-1)
Course Description: Clinical indications and interpretation for imaging modalities in examination of body systems.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Must register for lecture and recitation. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 728 Principles of Imaging Interpretation II Credits: 2 (2-0-0)
Course Description: Interpretation of clinical imaging techniques used in diagnosis of specific diseases of organ systems.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 730 Applied Animal Behavior Credits: 2 (2-0-0)
Course Description: Identification, characterization, and treatment of common disorders of animal behavior encountered by practicing veterinarians.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 731 Biology and Diseases of Small Mammals Credits: 2 (2-0-0)
Course Description: Diagnosis and treatment of diseases of small mammals.
Prerequisite: None.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 732 Veterinary Sports Medicine and Rehabilitation Credit: 1 (1-0-0)
Course Description: An introduction to the principles and practice of sports medicine and rehabilitation in veterinary medicine.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 733 Principles of Surgery Credits: 2 (2-0-0)
Course Description: Principles and concepts of general and orthopedic surgery.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 737 Principles of Anesthesia Credits: 3 (2-0-1)
Course Description: Integration of physiological and pharmacological principles in clinical anesthesia.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Must register for lecture and recitation. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 741 Biology of Disease II Credits: 4 (3-0-1)
Course Description: Pathogenesis of organ system diseases and integrated systemic pathology.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Must register for lecture and recitation. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 742 Biology of Disease III Credits: 3 (2-0-1)
Course Description: Pathogenesis of disease in organ systems, systemic pathology.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 744 Theriogenology Credits: 3 (2-2-0)
Course Description: Reproductive function and disease, including mammary gland and endocrine regulation of reproduction and lactation.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Must register for lecture and laboratory. Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.
VM 745  Clinical Sciences I  Credits: 5 (5-0-0)
Course Description: Diagnostic approaches to common medical
problems of cardiovascular, urinary, and digestive-hepatic systems.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in
veterinary medicine. All courses must be taken in prescribed sequence
in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 747  Clinical Sciences II  Credits: 5 (5-0-0)
Course Description: Diagnostic approaches to common medical
problems of organ systems.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in
veterinary medicine. All courses must be taken in prescribed sequence
in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 749  Clinical Sciences III  Credits: 5 (5-0-0)
Course Description: Diagnostic approaches to common medical
problems of organ systems.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in
veterinary medicine. All courses must be taken in prescribed sequence
in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 751  Veterinary Clinical Toxicology  Credits: 2 (2-0-0)
Course Description: Common toxicants and poisonous plants
encountered by companion and farm animal species, their
pathophysiological effects, and clinical treatments.
Prerequisite: None.
Registration Information: Admission to professional curriculum in
veterinary medicine. All courses must be taken in prescribed sequence
in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 753  Clinical Sciences IV  Credits: 5 (5-0-0)
Course Description: Diagnostic approaches to common medical
problems of organ systems.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in
veterinary medicine. All courses must be taken in prescribed sequence
in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 755  Bovine Herd Medicine  Credits: 3 (3-0-0)
Course Description: Health management, and diagnosis and
treatment of diseases of food animals.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in
veterinary medicine. All courses must be taken in prescribed sequence
in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 757  Equine Medicine and Surgery  Credits: 5 (5-0-0)
Course Description: Health management, and diagnosis and
treatment of diseases of horses.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in
veterinary medicine. All courses must be taken in prescribed sequence
in the PVM program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

VM 773  Small Animal Medicine and Surgery I  Credits: 4 (4-0-0)
Course Description: Health management, and diagnosis and
treatment of diseases of dogs and cats.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in
veterinary medicine. All courses must be taken in prescribed sequence
in the PVM program.
Term Offered: Spring.
Grade Mode: Instructor Option.
Special Course Fee: No.

VM 774  Small Animal Medicine and Surgery II  Credits: 4 (4-0-0)
Course Description: Health management, and diagnosis and
treatment of diseases of dogs and cats.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in
veterinary medicine. All courses must be taken in prescribed sequence
in the PVM program.
Term Offered: Spring.
Grade Mode: Instructor Option.
Special Course Fee: No.

VM 786A  Junior Practicum  Credits: Var[6-8]
Course Description: Training in clinical procedures for the diagnosis
and treatment of animal diseases.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in
veterinary medicine. All courses must be taken in prescribed sequence
in the PVM program.
Terms Offered: Fall, Spring.
Grade Mode: Instructor Option.
Special Course Fee: No.
VM 786B  Senior Practicum  Credits: Var[1-22]
Course Description: Training in clinical procedures for the diagnosis and treatment of animal diseases.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

VM 795  Independent Study  Credits: Var[1-18]
Course Description:
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

VM 796J  Group Study: Swine Medicine  Credit: 1 (0-0-1)
Course Description:
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

VM 796R  Group Study: Food Animal Clinical Problems  Credits: 3 (0-0-3)
Course Description: Diagnostic, therapeutic, management, and monitoring tools used to deal with food animal health problems.
Prerequisite: None.
Restriction: Must be a: Professional.
Registration Information: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.