VTPB - VETERINARY PATHOBIOLGY

VTPB 613 Mammalian Genomics and Bioinformatics
Credits 3. 3 Lecture Hours.
Exploration of fundamental concepts and principles in mammalian genomics and bioinformatics; includes case studies involving applications of modern technologies and experimental practices that are foundational for historic and modern discovery.
Prerequisite: Graduate classification.

VTPB 910 Veterinary Immunology
Credits 2. 2 Lecture Hours.
Introduction to veterinary immunology; mechanisms of resistance of infectious diseases and tumors; tissue injury caused by the immune system, including hypersensitivity reactions and autoimmunity; immunization theory and practices; immunologic methods for diagnosis of disease.
Prerequisite: Enrollment in the first year of professional curriculum.

VTPB 911 Veterinary Microbiology
Credits 4. 3 Lecture Hours. 2 Lab Hours.
Introduction to veterinary microbiology; bacterial, viral, and mycotic agents of veterinary significance; mechanisms of host injury by pathogenic microorganisms; principles of disinfection, antisepsis, and sterilization; classes and mechanisms of mechanisms of action of antibacterial, antifungal, and antiviral drugs; diagnostic procedures and methods of sample collection.
Prerequisite: Enrollment in the first year of professional curriculum.

VTPB 920 Parasitology
Credits 5. 3 Lecture Hours. 2 Lab Hours.
Continuation of Agents of Disease I: bacteria, fungi, viruses, prions, protozoa, helminths and arthropods; emphasis on characteristics of infectious diseases for each body-system, establishing differential diagnosis for disease syndromes and developing a diagnostic approach.
Prerequisite: Enrollment in second year professional DVM curriculum.

VTPB 922 Pathology I
Credits 3 to 6. 2 to 5 Lecture Hours. 2 Lab Hours.
Structural and functional changes in cells, tissues and organ systems of animals; pathogenesis, mechanisms and morphologic features of diseases and their relationship to clinical signs; laboratory consists of studies of gross and microscopic pathology.
Prerequisite: Enrollment in the first year of professional DVM curriculum.
VTPB 948 Didactic Elective
Credits 1 to 12. 1 to 12 Lecture Hours.
Elective course in veterinary microbiology, pathology, genetics, immunology or parasitology for professional students who wish to supplement required curriculum. May be repeated for credit.
Prerequisite: Enrollment in the third year of professional curriculum.

VTPB 985 Directed Studies
Credits 1 to 4. 1 to 4 Other Hours.
Problems in various subdisciplines.
Prerequisite: Approval of instructor.

VTPB 988 Veterinary Pathobiology Selective
Credits 2. 2 Lecture Hours.
Selective course in veterinary pathobiology.
Prerequisites: Third year classification in veterinary medicine and in good standing.

VTPB 989 Special Topics in...
Credits 1 to 4. 1 to 4 Lecture Hours. 1 to 4 Lab Hours.
Selected topics in an identified area of microbiology, pathology, genetics, immunology or parasitology. May be repeated for credit.
Prerequisite: Approval of department head.