

Diagnostic Medicine / Pathobiology Course Descriptions

Course #	Cr. Hrs.	Year/ Semester	Course Title	Course Description
DMP 705	3	1 st /Spring	Veterinary Immunology	DMP 705. Principles of Veterinary Immunology. (3) II. Innate and adaptive defense mechanisms in domestic animals. Topics include vaccinology, immunopathology, autoimmunity, immunodeficiency, and immunomodulation. Pr.: BIOCH 521 and BIOL 455.
DMP 708	2	1 st /Spring	Veterinary Epidemiology	DMP 708. Principles and Methods of Epidemiology. (2) II. Ecologic and epidemiologic concepts in the study of diseases in populations: epidemiologic methods emphasizing problem solving and application to epidemiologic principles of disease control. Pr.: DVM 700 and BIOL 455.
DMP 712	4	2 nd /Fall	Veterinary Bacteriology and Mycology	DMP 712. Veterinary Bacteriology and Mycology. (4) I. Morphology, biology, and control of pathogenic bacteria and fungi and their relation to the causes of disease. Three hours rec. and three hours lab a week. Pr.: DMP 705 and BIOL 455.
DMP 718	4 2010	2 nd /Fall	Veterinary Parasitology	DMP 718. Veterinary Parasitology. (4) I. Study of helminth, arthropod, and protozoan parasites of companion and food animals. Emphases are on diagnosis, clinical signs, lesions, treatment, control, epidemiology, and public health aspects of parasitic disease. Three hours lec. and four hours lab a week. Pr.: AP 710 and DMP 708; or consent of instructor.
DMP 715	4 2010	2 nd /Fall	General Pathology	DMP 715. General Pathology. (4) I. Etiology, pathogenesis, lesions, and termination of processes of disease, including inflammation, necrosis, regeneration, oncology, and disturbances of metabolism, circulation, and growth. Three hours lec. and four hours lab a week. Pr.: AP 700, AP 705 and AP 710.
DMP 720	5	2 nd /Spring	Systemic Pathology	DMP 720. Systemic Pathology. (5) II. Pathology of the organ systems of domestic animals including gross and microscopic study of lesions. Three hours lec. and six hours lab a week. Pr.: DMP 715.
DMP 722	3	2 nd /Spring	Veterinary Virology	DMP 722. Veterinary Virology. (3) II. Morphology, biology, and classification of viruses and their relation to the causes of disease. Three hours rec. Pr.: DMP 705 and DMP 712.
DMP 730	1	2 nd /Fall	Cross-Course Integration III	DMP 730. Cross-Course Integration III. (1) I. Vertical and horizontal integration among semester courses to improve student cognitive retention and understanding of course content. Structured-function relationships will be emphasized to facilitate student assimilation and provide clinical relevance to basic science content. Pr.: Second-year standing in the College of Veterinary Medicine or consent of instructor. INST: Payne
DMP 740	1	2 nd /Spring	Cross-Course Integration IV	DMP 740. Cross-Course Integration IV. (1) II . The course activities will include interactive discussion sessions with pathologist, radiologist, clinical pathologist, and other veterinary specialists and will be aimed to integrate topics learned in courses taught during the first four semesters of the veterinary curriculum with special emphasis on the topics learned in the current (fourth) semester. Pr.: Second-year standing in College of Veterinary Medicine or consent of the instructor. INST: Narayanan
DMP 775	4	2 nd /Spring	Clinical Pathology	DMP 775. Clinical Pathology. (4) II. Principles, application, and interpretation of clinical laboratory procedures, and experience with applicable techniques. Three hours lec. and three hours case discussion or lab a week. Pr.: DMP 705 and DMP 715.
DMP 759	2	2 nd /Spring Elective	Laboratory Animal Science	DMP 759. Laboratory Animal Science. (2) II. Management and health of common species of laboratory animals. Pr.: DMP 715.
DMP 777	1	3 rd /Fall	Laboratory Diagnosis	DMP 777. Laboratory Diagnosis. (1) I. Laboratory techniques in hematology, cytology, bacteriology, mycology, urology, and clinical chemistry as applied to the diagnosis of animal diseases. Three hours of lab a week. Pr.: DMP 775.
DMP 801	3	3 rd /Fall	Toxicology	DMP 801. Toxicology. (3) I. Effects of harmful substances on the animal body. Emphasis placed on toxicological principles and management of the poisoned patient. Three hours lecture a week plus three one-to three-hour field trips. Pr.: Third-year standing in the College of Veterinary Medicine, BIOCH 521, and AP 747.

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DMP 804	1	2 nd /Spring Elective	Exotoxicology	DMP 804. Ecotoxicology. (1) II. It will be an elective course in ecotoxicology aimed at DVM students with interests in wildlife and public health. Students will examine the interface between toxicology and ecology, including the toxic effects of natural and synthetic pollutants on ecosystem health and ecosystem services. Students will develop an appreciation and understanding of the mechanisms and processes that lead to ecotoxicity. They will also be introduced to the methodologies involved in assessing ecotoxic effects, and how ecotoxicological considerations impact industry and society. Pr.: Completion of first-year DVM curriculum. INST: van der Merwe.
DMP 816	2	1 st /Spring/Fal I Elective - On line course	Trade and Agricultural Health	DMP 816. This course considers the multilateral trading system as it relates to food safety, food security, animal health, plant health, and international cooperation. The course content will be of value to students interested in food safety and security, epidemiology, public health, agriculture, food science, security studies, political science, agricultural economics, veterinary medicine, and international relations.
DMP 753	3	3 rd /Spring	Zoonosis and Preventative Medicine	DMP 753. Zoonosis and Preventive Medicine. (3) II. Bacterial, viral, parasite, and mycotic diseases shared by animals and humans. The role of the veterinarian in wholesomeness and quality assurance of foods of animal origin including regulatory requirements. Pr.: DMP 708.
DMP 785	3	4 th /All	Diagnostic Medicine	DMP 785. Diagnostic Medicine. (3) I, II, S. Practical experience in necropsy procedures and laboratory findings. Pr.: Fourth-year standing in the College of Veterinary Medicine.