

**CURRENT DEPARTMENT OF DIAGNOSTIC MEDICINE/ PATHOBIOLOGY
PROFESSIONAL 700-888**

(updated 06/27/18)

# / type	Credits/ Grading	Offered	Standing	Course	Catalog Description	Coordinator
DMP 705	3	Spring	1st	Veterinary Immunology Mwangi, McGill	DMP 705. Principles of Veterinary Immunology.. Innate and adaptive defense mechanisms in domestic animals. Topics include vaccinology, immunopathology, autoimmunity, immunodeficiency, and immunomodulation. Pr.: BIOCH 521 and BIOL 455	Mwangi
DMP 708	2	Spring	1st	Veterinary Epidemiology Renter, Cernicchiaro	DMP 708. Introduction to the principles and methods of veterinary epidemiology: emphasizing how diseases affect populations (and associated implications for individuals), and application to disease diagnosis, treatment, prevention, and control. Cross- Listed MPH 708	Renter
DMP 812	4	Fall	2 nd	Veterinary Bacteriology and Mycology Lecture and Lab Chengappa, Nagaraja, Ganta	Morphology, biology, and classification of pathogenic bacteria and fungi and their relation to the causes of disease. Three hours of lecture and one hour lab each week. Prerequisite: BIOL 455	Chengappa
DMP 814 Graduate students	3	Fall	2nd	Veterinary Bacteriology and Mycology Lecture only Chengappa, Nagaraja, Ganta	Veterinary Bacteriology and Mycology, is designed to provide graduate students in pathobiology or related field with basic knowledge of bacteria, fungi and the diseases that they cause primarily in animals. The course is also designed to provide latest information of the pathogenic mechanisms, virulence factors, antigenic nature, zoonosis and disease transmission, treatment and prevention.	Chengappa
DMP 715	4	Fall	2nd	General Pathology Mosier, Njaa	DMP 715. General Pathology. 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.	Mosier
DMP 718	4	Fall	2nd	Veterinary Parasitology Dryden, Herrin	DMP 718. Veterinary Parasitology. Study of 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, 737,747, and DMP 705 & 708. Must be a 2nd year student in the Veterinary Curriculum.	Dryden
DMP 720	5	Spring	2nd	Systemic Pathology Mosier, Njaa, Bell, Ganta, Henningson	DMP 720. Systemic Pathology. 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.	Mosier

DMP 822	3	Spring	2nd	Veterinary Virology Niederwerder, Hesse, Nietfeld, Kim Adams=OA	DMP 822 Veterinary Virology. Morphology, biology, and classification of viruses and their relation to the causes of disease. Three hours rec. Pr.: DMP 705 and DMP 812	Niederwerder
DMP 730	1	Fall	2 nd	Cross-Course Integration III Chengappa	DMP 730. Cross-Course Integration III. 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:	Chengappa
DMP 740	1	Spring	2 nd	Cross-Course Integration IV Chengappa	DMP 740. Cross-Course Integration IV. 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:	Chengappa
DMP 753	2	Spring	3rd	Veterinary Public Health Mulcahy	DMP 753. Veterinary Public Health. Linkages between human health and animal health and production. Topics include zoonotic disease, emerging and exotic animal diseases, disaster preparedness, regulatory and community health issues focusing on the role of the veterinarian in all Pr.: DMP 708. INST:	Mulcahy
DMP 759	2	Spring	2nd	Laboratory Animal Science Olson	DMP 759. Laboratory Animal Science. Management and health of common species of laboratory animals. Pr.: DMP 715.	Olson
DMP 775	4	Spring	2nd	Clinical Pathology Pohlman	DMP 775. Clinical Pathology. Principles, application, and interpretation of clinical laboratory procedures, and experience with applicable techniques. Three hours lec. and four hours case discussion or lab a week. Pr.: DMP 705 and DMP 715.	Pohlman
DMP 777	2	Fall Elective online format	3rd	Laboratory Diagnosis Pohlman	DMP 777. Laboratory Diagnosis 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.	Pohlman
DMP 785	3	All	4th	Diagnostic Medicine Cino	DMP 785. Diagnostic Medicine. Practical experience in necropsy procedures and laboratory findings. Pr.: Fourth-year standing in the College of Veterinary Medicine.	Cino
DMP 801	2	Spring	2nd	Toxicology Ensley	DMP 801. Toxicology. Effects of harmful substances on the animal body. Emphasis placed on toxicological principles and management of the poisoned patient. Four hours lecture a week for half of the semester plus three one-to three-hour field trips. Pr.: 2nd- year standing in the College of Veterinary Medicine, BIOCH 521, and AP 747.	Ensley

DMP 804	1	Spring Elective	2nd	Ecotoxicology Ensley	DMP 804. Ecotoxicology. 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 eco-toxicity. They will also be introduced to the methodologies involved in assessing eco-toxic effects, and how eco-toxicological considerations impact industry and society. Pr.: Completion of first-year DVM curriculum. INST: van der Merwe.	Ensley
DMP 816	2	Fall Elective-online	1st	Trade and Agricultural Health Kastner	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	Kastner
DMP 825	3	Fall	4th	Dairy Production Medicine Hanzlicek	DMP 825. This course will be conducted using both in-class discussions and field experiences on Kansas dairies. The discussion portion will incorporate about 60% of class time, and field experiences 40%.	Hanzlicek
DMP 885	1	Spring Elective	3rd	Systemic Approach to Infectious Diseases of Animals Chengappa	DMP 885. This course is designed as an elective, primarily for the 3rd year veterinary students. Instructor's permission is required for graduate students enrolled in Manhattan and Olathe campuses. The course is intended to provide current information on infectious diseases of animals utilizing a systemic approach. In the spirit of one medicine, the course is designed to take a comparative approach to describing both differences and similarities of diseases across many affected species. Upon completion of this course, the students will be able to better understand the normal and abnormal tissue functions and associated mechanisms of various systems of the body. Specific topics that will be addressed in this course are listed under lecture topics. Special emphasis will be given to digestive and respiratory systems as they cover most of the frequently encountered diseases of animals.	Chengappa
DMP 885	1	Fall Elective	3rd	International Veterinary Medicine Sebhatu / Renberg	The elective will aim to describe the global nature of infectious disease threats; international frameworks for mitigation animal and human health threats; and multidisciplinary some global multidisciplinary initiatives including One Health and the UN Sustainable Development Goals. Students will also learn how to apply key skills such as risk assessment, risk communication, and proposal writing.	Sebhatu
DMP 888	1	Spring Elective Online format	2nd	Globalization & the Food Trade Kastner	DMP 888. Globalization and the Food Trade. The course will include 15, 45-minute lectures and /or reading assignments. They will be assessed through online quizzes and one essay project.	Kastner

New course and or changes 6/27/18