



**DEPARTMENT OF  
VETERINARY MEDICINE**

University of Alaska Fairbanks  
College of Natural Science and Mathematics

<b>REQUIRED Courses</b>	<b>CRN</b>	<b>Course Description</b>
<b>DVM F611</b> —Foundations of Veterinary Medicine II	31919	The second semester of a four-course series in foundations of veterinary medicine. You will develop professional skills necessary for the successful practice of veterinary medicine.
<b>DVM F619</b> — Veterinary Neurobiology	31920	Students will learn information on neurologic conditions in domesticated animals. A problem-oriented approach makes it easy to diagnose and treat neurologic problems in domesticated animals.
<b>DVM F623</b> — Veterinary Nutrition and Metabolism	31921	This course will examine the nutritional needs of major species of veterinary importance. Course topics deal with the classification and function of nutrients, digestive processes, and evaluation.
<b>DVM F637</b> — Veterinary Bacteriology and Mycology	31922	This course will discuss bacterial structure, differences between bacterial families, and fungi and their pathogenesis. Host response to bacterial or fungal infection, immunity, and the role of vaccines.
<b>DVM F638</b> — Veterinary Parasitology	31923	Biology of helminth, arthropod, and protozoan pathogens of animals with emphasis on common infectious diseases encountered in veterinary practice.
<b>DVM F639</b> — Veterinary Virology	31924	This course will explore current concepts in the field of veterinary virology, with an emphasis on viral structure, viral genetic material, and viral replication strategies of various animal viruses.
<b>DVM F640</b> — Veterinary Pathology/Biology of Disease I	31925	This course will discuss basic principles of disease with special emphasis on processes likely to be encountered in veterinary practice.
<b>DVM F648</b> — Food Animal Production and Food Safety	31927	This course is designed to provide an understanding of food animal agriculture and food quality assurance. Students will explore contemporary production management systems of traditional and non-traditional food animal species. Animal welfare issues related to the raising of animals for food will be investigated. Students will learn where veterinary medicine fits into the protection of the human food supply.

<b>ELECTIVE Course at UAF</b>	<b>CRN</b>	<b>Course Description (This course is OPTIONAL)</b>
<b>DVM F641</b> — Professional Explorations Externship	31926	This externship is designed for students to explore various aspects of veterinary medicine and gain hands-on experience and exposure to different areas of the profession. An opportunity for students to apply their classroom learning in a practical or clinical setting.