PATHOBIOLOGY (PATH)

PATH 5094. Pathobiology Seminar. (1 Credit)
Formerly offered as PVS 5094.
May be repeated for a total of 10 credits
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205094)

PATH 5099. Research and Independent Study in Animal Diseases. (1-6 Credits)
Formerly offered as PVS 5099.
May be repeated for a total of 24 credits
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205099)

PATH 5201. Microbiology of Atypical Bacteria. (2 Credits)
An in-depth presentation of current information on medically significant atypical bacteria, with emphasis on molecular aspects of pathogenesis. Formerly offered as PVS 5201.
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205201)

PATH 5202. Viral Pathogenesis. (3 Credits)
Review and discussion of recent advances regarding mechanisms involved in the development of viral disease at the virus, host, organ, tissue, cell, sub-cellular and molecular levels. Current advances in virus-host interactions will be discussed, including virulence factors, mechanisms of suppression and evasion of host responses, oncogenesis, persistence, immunopathology, neurotropism, neuroinvasion. Formerly offered as PVS 5202.
Enrollment Requirements: A course in virology or microbiology and one in biochemistry, with consent of the instructor. Recommended preparation: A course in immunology or pathology.
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205202)

PATH 5203. Principles of Antibacterial Development. (3 Credits)
Important concepts and pioneering strategies currently being used to develop novel antibacterials. Formerly offered as PVS 5203.
Enrollment Requirements: A course in general microbiology or bacteriology with consent of the instructor.
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205203)

PATH 5230. Vaccines and Immunotherapeutics. (3 Credits)
Students develop an understanding of approaches for scientists and engineers to use the immune system to combat infectious and chronic diseases. Both traditional and modern molecular approaches to vaccine and immunotherapy design will be discussed. Students will gain an appreciation for the transition from basic research to practical applications.
Enrollment Requirements: PATH 3401 or an equivalent course in immunology.
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205230)

PATH 5303. Veterinary Pathology Lecture Series. (1-3 Credits)
Lectures on veterinary and comparative anatomic pathology organized by animal species or disease classification utilizing lectures on electronic media in the context of a prescribed plan of study. May be repeated for credit with change in content. Formerly offered as PVS 5303.
May be repeated for a total of 9 credits
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205303)

PATH 5392. Practicum in Veterinary Anatomic Pathology. (3 Credits)
Service-based learning of veterinary anatomic pathology through gross and histologic evaluation of necropsy and biopsy case material by direct review with faculty pathologists. Formerly offered as PVS 5392.
Enrollment Requirements: Open only to veterinarians accepted into the residency program in veterinary pathology.
May be repeated for a total of 18 credits
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205392)

PATH 5394. Veterinary Pathology Seminar. (2 Credits)
Blinded examination of gross and histologic lesions with emphasis on lesion recognition, description and disease diagnosis, followed by group discussion of each case. Formerly offered as PVS 5394.
May be repeated for a total of 12 credits
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205394)

PATH 5401. Immunobiology. (4 Credits)
Principles of basic and clinical immunobiology; phylogeny and ontogeny of the immune response, characteristics of the immune response, cellular and humoral immunity; central and peripheral lymphoid tissues; mechanisms of immunologic injury and immunologic diseases; comparative and veterinary immunology; transplantation and tumor immunology. Formerly offered as PVS 5401.
Enrollment Requirements: Open with consent of instructor to graduate students, upper-level Honors students, and senior undergrad students with recommended preparation. Recommended preparation: Previous coursework in Biochemistry, Genetics, Cell Biology, and Microbiology.
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205401)

PATH 5431. Avian Pathology. (2 Credits)
A comprehensive study of systemic avian pathology, stressing the correlation of pathological changes with clinical and microbiological findings. Formerly offered as PVS 5431.
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205431)

PATH 5503. Molecular Approaches to Disease Diagnosis and Prevention. (2 Credits)
Molecular aspects of disease, with emphasis on methodologies and strategies for diagnosis, analysis and prophylaxis. Formerly offered as PVS 5503.
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205503)

PATH 5594. Current Veterinary Pathology Literature. (1 Credit)
Detailed study of current veterinary pathology literature, with particular emphasis on lesions and mechanisms of disease. Formerly offered as PVS 5594.
May be repeated for a total of 6 credits
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205594)

PATH 5632. Vaccines: Mechanisms of Immune Protection. (3 Credits)
(Also offered as AH 5632.) Focuses on several different approaches to inducing prophylactic immunity in the host. Both traditional and modern molecular approaches to vaccine design will be discussed. In addition, the mechanisms employed by pathogenic microbes to avoid hosts' immune responses will be examined in the context of vaccine design. The students will gain an appreciation for the transition from basic research to practical applications. Formerly offered as PVS 5632.
View Classes (https://catalog.uconn.edu/course-search/?
details&code=PATH%205632)