

# MEDICINE & EPIDEMIOLOGY (VME)

## School of Veterinary Medicine

### VME 057V – Global Population, Health, & Environment (4 units)

*Course Description:* Students critically examine multi-scale processes involving human, animal, and ecosystem health. Online team and independent work engage local and global topics around population pressures on environments and environmental pressures on populations.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 2 hour(s).

*Grade Mode:* Letter.

### VME 125 – Knights Landing One Health Center (1 unit)

*Course Description:* Internship at Knights Landing One Health Center (KLOHC) for undergraduate pre-veterinary student. Application of veterinary and One Health concepts to their work at the center.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture 1 hour(s).

*Repeat Credit:* May be repeated 2 time(s); students can enroll in each quarter (fall, winter, spring) once.

*Grade Mode:* Pass/No Pass only.

### VME 125L – Knights Landing One Health Center Lab (1 unit)

*Course Description:* Internship at Knights Landing One Health Center (KLOHC) for undergraduate pre-veterinary students. Interns may offer technical help, assist with patient registration and records, animal handling, and foreign language interpretation.

*Prerequisite(s):* VME 125 (can be concurrent); and consent of instructor.

*Learning Activities:* Laboratory 1.50 hour(s).

*Repeat Credit:* May be repeated.

*Grade Mode:* Pass/No Pass only.

### VME 158 – Infectious Disease in Ecology & Conservation (3 units)

*Course Description:* Introduction to the dynamics and control of infectious disease in wildlife, including zoonotic diseases and those threatening endangered species. Basic epidemiological models and application to field data. Scientists' role in developing disease control policies.

*Prerequisite(s):* BIS 002A; BIS 002B; BIS 002C; or equivalent. EVE 100 is recommended.

*Learning Activities:* Lecture 3 hour(s).

*Grade Mode:* Letter.

### VME 198 – Directed Group Study (1-5 units)

*Course Description:* Directed group study. May be taught abroad.

*Learning Activities:* Variable 3-15 hour(s).

*Repeat Credit:* May be repeated.

*Grade Mode:* Pass/No Pass only.

### VME 199 – Special Studies for Advanced Undergraduates (1-5 units)

*Course Description:* Special studies for advanced undergraduates. May be taught abroad.

*Learning Activities:* Variable.

*Grade Mode:* Pass/No Pass only.

### VME 217 – Evaluation & Use of Diagnostic Tests (2 units)

*Course Description:* Clinical and epidemiologic properties and application of diagnostic tests for disease, with emphasis on selecting tests; validating, evaluating, and interpreting new tests individually and in aggregate; determining cutoff values; and developing testing strategies.

*Prerequisite(s):* MPM 205 or EPI 205; consent of instructor.

*Learning Activities:* Lecture 14 hour(s), Laboratory 6 hour(s), Discussion 3 hour(s).

*Enrollment Restriction(s):* Limited to 30 students.

*Grade Mode:* Letter.

### VME 225 – Viral Pathogenesis Seminar/Journal Club (1 unit)

*Course Description:* Participatory seminar addressing the mechanisms of retroviral pathogenesis in a journal club format. Focus on the review of current scientific journal papers concerning viral pathogenesis, immunology and virology with a special focus on retroviruses.

*Prerequisite(s):* Consent of instructor; graduate student status in the Comparative Pathology, Microbiology or Immunology graduate groups.

*Learning Activities:* Discussion 1 hour(s).

*Repeat Credit:* May be repeated 12 time(s).

*Grade Mode:* Satisfactory/Unsatisfactory only.

### VME 258 – Infectious Disease in Ecology & Conservation (1 unit)

*Course Description:* Presentation, analysis and discussion of primary literature on the dynamics and control of infectious disease in wildlife, including zoonotic diseases and those threatening endangered species. Multidisciplinary approach combines perspectives of ecology and veterinary medicine.

*Prerequisite(s):* VME 158 must be taken concurrently.

*Learning Activities:* Discussion 2 hour(s).

*Grade Mode:* Letter.

### VME 298 – Group Study (1-5 units)

*Course Description:* Group study in selected areas of the clinical sciences.

*Prerequisite(s):* Student in School of Veterinary Medicine or consent of instructor.

*Learning Activities:* Variable.

*Grade Mode:* Satisfactory/Unsatisfactory only.

### VME 299 – Research (1-12 units)

*Course Description:* Research.

*Learning Activities:* Variable.

*Grade Mode:* Satisfactory/Unsatisfactory only.