Courses in Preventive Veterinary Medicine (MPM)

Professional

402. Medical Statistics I (5)
Lecture—37 sessions; laboratory—13 sessions. Prerequisite: MPVM standing in the School of Veterinary Medicine and consent of instructor. Statistics in clinical, laboratory, and population medicine: graphical and tabular presentation of data; probability, bino-
mial; Poisson, normal, t-, F-, and Chi-square distributions; elementary nonparametric methods; simple linear regression and correlation; life tables. Microcomputer applications of statistical procedures in population medicine.—I. (II.) Farver

403. Medical Statistics II (3)
Lecture—20 sessions; laboratory—10 sessions. Prerequisite: Prerequisite: MPVM standing in the School of Veterinary Medicine and/or successful completion of course 402 (or equivalent) or consent of instructor. Analysis of variance in biomedical sciences; nonparametric tests; multiple regression; biomedical applications of statistical methods. Microcomputer applications to reinforce principles that are taught in lecture. Continuation of course 402. —I. (II.) Farver

404. Medical Statistics III (4)
Lecture—3 hours; laboratory—2 hours. Prerequisite: MPVM standing in the School of Veterinary Medicine and/or successful completion of course 403 (or equivalent) or consent of instructor. Continuation of course 403. Analysis of time dependent variation and trends, analysis of multivariate frequency tables; logistic regression; survival analysis selecting the best regression equation; biomedical applications. —III. (III.) Farver

405. Principles of Epidemiology (4)
Lecture—4 hours. Prerequisite: MPVM standing in the School of Veterinary Medicine or consent of instructor. Basic epidemiologic concepts and approaches to epidemiologic research, with examples from veterinary and human medicine, including outbreak investigation, infectious disease epidemiology, properties of tests, and an introduction to epide-
miologic study design and surveillance. (Same course as Epidemiology 205A.)—I. (II.) Gold, MPM

405L. Epidemiology Laboratory (1)
Lecture—1 session; lecture/discussion—1 session; laboratory—1 session. Prerequisite: MPVM standing in the School of Veterinary Medicine or consent of instructor. Practical application of epidemiological methods using the microcomputer as a tool to solve problems. Utilizes spreadsheets and databases as tools to organize and analyze data. Emphasizes epi-
demiological methods introduced in course 405. Data sets provided. —I. (II.) Lehnenaber

406A. Epidemicologic Study Design (3)
Lecture—20 sessions; discussion—6 sessions; labora-
tory—4 sessions. Prerequisite: MPVM standing in the School of Veterinary Medicine or consent of instructor. Builds on concepts presented in course 405. Concepts of epidemicologic study design-clini-
cal trials, observational cohort studies, case control studies-introduced in course 405 and covered in more depth, using a problem-based format. Discus-
sion of published epidemicologic studies. (Same course as Epidemiology 206.)—I. (II.) Miller

408A. Veterinary Research: Planning and Reporting (2)
Lecture—20 sessions. Prerequisite: MPVM standing in the School of Veterinary Medicine or consent of instructor. Planning, critical analysis, ethics, and writ-
ten and oral communication of veterinary research. —Foley

408B. Veterinary Research: Planning and Reporting (1)
Lecture—10 sessions. Prerequisite: MPVM standing in the School of Veterinary Medicine or consent of instructor. Planning, critical analysis, ethics, and writ-
ten and oral communication of veterinary research. —I. (II.) Foley

Maternal and Child Nutrition (Department of Nutrition)

Francene M. Steinberg, Ph.D., Chairperson of the Department

Department Office. 3135 Meyer Hall 530-752-4630; http://www.extension.ucdavis.edu/mannutrition

Faculty

Faculty members are listed on the website.

Graduate Study. The Nutrition Department offers the degree of M.A.S. in Maternal and Child Nutri-
tion. This program consists of three required six-unit core courses (Nutrition During Pregnancy, Lactation and Infant Nutrition, and Child and Adolescent Nutrition), six to eight units of special topics semi-
inars, two units of electives, and a six-unit student project [produced in consultation with a three-mem-
ber guidance committee] for a total of 36 units. Each of the core courses will comprise 10 weeks of in-
class instruction twice per week for two-and-a-half hours per meeting. Classes will also include online discussion of related material and readings.

Each student will be assigned a three-member guid-
ance committee consisting of two members of the teaching faculty and an additional qualified faculty member to advise the student in choosing an elective and identifying a student project.

Preparation. Admission to the program requires a bachelor’s degree with prior course work that includes (or is comparable to): one year of general chemistry, two quarters of organic chemistry, a course in statistics, one course in general physiology, and two quarters of the biochemistry of nutrition.

Graduate Advisors. Kathyn G. Dewey, Ph.D., Professor (Nutrition), Jane Heinig, Ph.D., Academic Administrator (Nutrition)

Courses in Maternal and Child Nutrition.

See courses under Nutrition, on page 454.