ENTOMOLOGY, PLANT PATHOLOGY, AND NEMATOLOGY (EPPN)

EPPN 100 Human, Plant, Animal and Insect Epidemics: Drivers of Society (1 credit)
This is a 100-level survey course that will discuss the ecological, social and economic impacts of human, plant, animal and insect epidemics. Historical and current real-world epidemics will be presented for each of the four main topics (human, plant, non-human vertebrate, and insect epidemics) to educate students on the ecological, social and economic impacts that these have had or present to society. The course will be organized into four 4-week modules covering each epidemic category (human, plant, non-human vertebrate, and insect). In each 4-week module, three 50 minute lectures will be presented by faculty experts in the field discussing various aspects of each epidemic followed by a student debate to evaluate previous responses to epidemics and/or address potential responses to new unknown but potential epidemics. Typically Offered: Fall.

EPPN 110 Introduction to Global Disease Ecology (2 credits)
Introduction to the Global Disease Ecology major. Course will discuss research and internship opportunities, and potential career paths in human, animal, and plant health. Focus on communication, ethics, and the nature of science.

EPPN 154 Microbiology and the World Around Us (3 credits)
General Education: Natural/Integrated Science
The purpose of this introductory microbiology course is to provide students with the basic understanding of the biology of microorganisms (emphasis on prokaryotes) and their interaction and importance in the environment. Topics addressed will include the structure, function, physiology, and the functional diversity of microorganims (bacteria, Archaea, fungi, and viruses).

EPPN 155 Microbiology and the World Around Us: Laboratory (1 credit)
General Education: Natural/Integrated Science
Introductory Microbiology Laboratory is a course designed to complement the topics covered in Microbiology and the World Around Us (EPPN 154). The laboratory experience is aimed at introducing non-science majors to the skills of scientific observation, interpretation, and logical conclusion that are the basis for hypothesis testing using basic microbial techniques as a model.
Coreqs: EPPN 154

EPPN 200 (s) Seminar (1-16 credits)
Credit Arranged.

EPPN 203 (s) Workshop (1-16 credits)
Credit arranged.

EPPN 204 (s) Special Topics (1-16 credits)
Credit arranged.

EPPN 220 Global Disease Ecology Seminar (2 credits)
Seminar leading to development of the research proposal and academic plan for the Global Disease Ecology major. The final product will be the research proposal prepared by the students and approved by their research mentor.
Prereqs: EPPN 110

EPPN 299 (s) Directed Study (1-16 credits)
Credit arranged.

EPPN 398 (s) Internship (1-16 credits)
Credit arranged.

EPPN 400 (s) Seminar (1-16 credits)
Credit arranged.

EPPN 403 (s) Workshop (1-16 credits)
Credit arranged.

EPPN 404 (s) Special Topics (1-16 credits)
Credit arranged.

EPPN 405 (s) Professional Development (1-16 credits)
Credit arranged.

EPPN 500 (s) Master's Research and Thesis (1-16 credits)
Credit arranged

EPPN 501 (s) Seminar (1-16 credits)
Credit arranged.

EPPN 502 (s) Directed Study (1-16 credits)
Credit arranged.

EPPN 503 (s) Workshop (1-16 credits)
Credit arranged.

EPPN 504 (s) Special Topics (1-16 credits)
Credit arranged.

EPPN 505 (s) Professional Development (1-16 credits)
Credit arranged.

EPPN 598 (s) Internship (1-16 credits)
Credit arranged.

EPPN 600 (s) Doctoral Research and Dissertation (1-45 credits)
Credit arranged