

ENT 172, Vertebrate Pest Management (Spring -Alt. even yrs, 3 cr; lecture & lab; Instructor – Mike Waldvogel)

ENT 172 prepares students to accurately diagnose problems created by wildlife, critically evaluate the alternatives available to resolve the problems, and to observe and implement legal control activities under the supervision of professionals in the field. Students are expected to learn Integrated Pest Management (IPM) strategies, and students should be able to present their recommended control actions in terms of integrated pest management.

The lecture and lab portions of the course are fully integrated. A lecture is used to cover biology, behavior, and management of specific vertebrate pests. The ensuing lab involves a field trips to see examples of wildlife problems covered in lectures. The following lecture is used for class discussion of observations made during the field trip. Students are graded in part by their participation in this discussion. Lectures and labs often include federal and commercial wildlife and pest management professionals who provide such damage control services.

Final grade is based on two exams over the course of the semester, along with lecture and lab quizzes, and the class discussions. There is a written report on a topic assigned by the instructor. The final project requires each student to find a real wildlife problem and to prepare a proposal (including cost analysis) if they were to control the problem. Students present their proposals to the rest of the class for evaluation.

Lecture-Lab Syllabus

Class/Week Number	Topic*
1	Introduction, course requirements
2	Arthropod-borne diseases as related to wildlife
3	Beaver management
4	Deer Management in urban and agricultural/horticultural settings
5	Vertebrate diseases & visit to the State Lab for Public Health
6	Bird Management & Exclusion
7	Coyote management

Class/Week Number	Topic*
8	Snake identification and management
9	Bat Exclusion
10	Rodent management I
11	Geese management (golf courses and other settings)
12	Moles and voles
13	Raccoons and squirrels
14	Final Projects Presentation (follow –up lecture on birds)
15	Final Projects Presentations (follow –up lecture on other vertebrates)