

107. Plant Ecology (3)

Prerequisite: one year college biology. Interrelations of plants and environment. (2 lecture, 3 lab or field hours *)

116. Plant Microtechnique (3)

Prerequisite: Bot 1 or 10. Methods of preparing plant materials for microscopic examination, including tissue preparation, sectioning, staining, and photomicrography. (1 lecture, 6 lab hours)

134. Plant Anatomy (4)

Prerequisite: college botany. Initiation, development and structure of cells, tissues and tissue systems in roots, stems and leaves. (2 lecture, 6 lab hours)

135. Morphology of Nonvascular Plants (3)

Prerequisite: college botany. Comparative structure and phylogeny of the fungi, algae, mosses, and liverworts. (2 lecture, 3 lab hours)

136. Morphology of Vascular Plants (4)

Prerequisite: college botany. Comparative structure and phylogeny of ferns and seed plants. (2 lecture, 6 lab hours)

137. Plant Morphogenesis (4)

Prerequisite: Bot 1 or 10. Morphological and physiological factors involved in the organization and development of plants. (2 lecture, 6 lab hours)

140. General Mycology (4)

Prerequisite: introductory college botany. Classification, structure, and development of representative fungi. (2 lecture, 6 lab hours)

142. Algae (4)

Prerequisite: Bot 1. Morphology, cytology, ecology, physiology, economic importance and cultivation of the algae. (2 lecture, 6 lab or field hours *)

190. Independent Study (1-3; max see reference)

See *Academic Placement—Independent Study*.

200. Series. Graduate courses are listed under *Biology*.

ENTOMOLOGY (Ent)**101. General Entomology (3)**

Prerequisite: college zoology or one year of biology. Anatomy, physiology, life history, and classification of insects and other arthropods. (2 lecture, 3 lab or field hours *)

106. Economic Entomology (3) (See Plant 121)**107. Medical Entomology (4)**

Arthropod-borne diseases of man and animals and arthropod vectors of the diseases. (3 lecture, 3 lab hours)

110. Insect Physiology (3)

Prerequisite: college zoology; Ent 101 recommended. Principles of physiology as applied to insects; functions of insect body, tissues, and organs. (2 lecture, 3 lab or demonstration hours)

115. Insect Morphology (4)

Prerequisite: Ent 101. Comparative study of the form and structure of insects; external and internal anatomy. (2 lecture, 6 lab hours)

190. Independent Study (1-3; max see reference)

See *Academic Placement—Independent Study*

* Late afternoon, Saturday, and/or overnight field trips may be required.