BIOO 162CS. Insects and Human Society. 3 Credits. (2 Lec, 1 Lab) S
Ways in which research and advances in technology in the areas of insect biology and management have influenced people's lives throughout the world. Focus will be on insects as major factors affecting the areas of the world where humans live, crops and animals humans produce, and general quality of life on the planet. Interactions of insects and human cultures, technologically oriented and indigenous, non-technology based cultures, and concepts of pest management will also be explored. Students generate and test hypothesis and evaluate sources of scientific information on these topics.

BIOO 220. General Botany. 3 Credits. (3 Lec) F
PREREQUISITE: BIOB 170IN. This course focuses on organisms that possess plastid organelles in all their cells, and investigates their function (physiology, biochemistry), diversity, life cycles, and environmental adaptations.

BIOO 230. Identification of Seed Plants. 4 Credits. (2 Lec, 2 Lab) S
PREREQUISITE: BIOB 170IN. Identification of conifers, trees and shrubs, and herbaceous seed plants; determination by use of manuals; vocabulary, classification and nomenclature; and preparation and collection of seed plant specimens.

BIOO 262IN. Introduction to Entomology. 3 Credits. (2 Lec, 1 Lab) F
PREREQUISITE: One of the following: BIOL 100IN, or BIOB 170IN. General biology of insects including principles of morphology, physiology, behavior, ecology, and control. Includes identification of major orders and common families.

BIOO 475. Insect Identification. 4 Credits. (2 Lec, 2 Lab) S alternate years, to be offered odd years.
PREREQUISITE: BIOB 262IN and one of the following: BIOB 100IN, BIOB 160 or BIOB 170IN. The identification of insects and related terrestrial arthropods. Evolutionary patterns reflected in modern insect diversity will be used to illustrate classification methods. Taxonomic methods will be used as an access to information retrieval.

BIOO 460. Plant Metabolism. 3 Credits. (3 Lec) S
Alternate Odd Years PREREQUISITE: BIOO 220 or BCH 380 or consent of instructor. In-depth overview of plant metabolism: photosynthesis including C4 and CAM pathways; intermediary carbon metabolism (sucrose and starch synthesis and degradation); lipids; nitrogen and sulfur assimilation and metabolism; amino acid biosynthesis; secondary metabolism (terpenoids, alkaloids, phenolic compounds).
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.