

may be allowed. Students prepare seed beds, plant, cultivate, irrigate, control insect pests and weeds, and harvest and market their crops, in addition to making all managerial decisions necessary to completion of the enterprise. Concurrent registration in Agri 106, *Enterprise Management*, required.

COURSES

Note: Active immunization against tetanus (available through the Student Health Service) is a prerequisite for registration in any laboratory course in agriculture and for any student employment on the University Farm.

PLANT SCIENCE (Plant)

10. Plant and Man (3)

Principles of plant structure, physiology, heredity, and environment in relation to growth, adaptation and management of crops. Techniques of research; future developments in plant sciences.

20. Plant Propagation (3)

Principles of sexual and asexual propagation; seed identification, seedage, cuttage, specialized plant structures for propagation; propagation media, rooting aids, structures. (2 lecture, 3 lab hours)

40. Water and Man (3)

Problem approach to man's need for and use of water; his management of water supply, allocation, use, disposal, and quality control for domestic, aesthetic, agricultural, industrial, power, navigation, and recreational uses.

80. Undergraduate Research (1-4; max total 4)

Open to freshmen and sophomores with permission of instructor. Exploratory work on a suitable agricultural problem in plant science.

140. Plant Breeding (3)

Prerequisite: Biol 120. Application of genetic and environmental principles to improvement of plants; heredity and variation in plants, effects of environmental factors on plant improvements, effects of self and cross fertilization, principles and results of selection and hybridization in plant improvement. (2 lecture, 3 lab hours)

160. Plant Science Seminar (1; max total 2)

Undergraduate seminar for advanced students in junior or senior year.

170T. Topics in Plant Science (1-4; max total 6 per discipline if no topic repeated. Same as Geog 114 section)

Prerequisite: junior standing. Plant science, agricultural climatology, agronomy, horticulture, and other associated areas.

180. Undergraduate Research (1-4; max total 4)

Open to juniors and seniors. Exploratory work on a suitable agricultural problem in plant science.

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

See *Academic Placement—Independent Study*.

200 series. Graduate courses are listed under *Agriculture* following this section.

PLANT PROTECTION (Plant)

21. Plant and Food Protection (3)

Origin, history, and evaluation of protective measures (chemical, biological, cultural) for the control of diseases, weeds, insects, and rodents in the field and around the home.

91. Beekeeping (3)

Fundamentals of beekeeping; manipulation of the hive; diseases and enemies of bees; nectar sources and pollination problems; production and marketing of honey and beeswax; laws and regulations pertaining to beekeeping. (2 lecture, 3 lab hours)