Agricultural Engineering Technology

See Agricultural Engineering.

Agriculture and Natural Resources ANR

College of Agriculture and Natural Resources

220. Plants and Their Environment Winter. 3(3-0) Interdepartmental with and administered by the Department of Forestry.

Relationships between plants and fundamental climatic, edaphic, and biotic factors; structure and function of different ecosystems in relation to environmental factors.

275. Exploring International Agriculture Spring. 3(3-0)

Exploration of overseas assignments with international agencies; potential world food actualities and potentials; special problems of the tropics compared with those in temperate regions.

341. Energy in the Food System Winter. 3(3-0) Juniors or approval of department. Interdepartmental with and administered by Agricultural Engineering Technology.


350. Leadership Development for Agriculture and Natural Resources Winter, Spring. 3(3-0) May reenroll for a maximum of 8 credits. Approval of department.


399. Professional Internships in Agriculture and Natural Resources Fall, Winter, Spring, Summer. 6 to 12 credits. May reenroll for a maximum of 12 credits. Juniors and approval of department.

Professionaled experiences in a student's major. Supervision and evaluation by faculty and cooperating agencies.

410. Environmental Toxicology Winter. 4(4-0) B 5212, BCH 401. Interdepartmental with and administered by the College of Natural Science.

Fate and effects of toxic chemicals in soil, plants, wildlife, and aquatic systems. Interactions between chemicals and the environment which influence their fate and ecological importance.

425. Agriculture and Natural Resources Seminar Spring. 2(2-0)

Current agricultural, natural resources, and environmental problems and solutions as presented by discussion leaders from various disciplines, arranged by undergraduate students.

445. Pest Management: Pesticide Chemistry and Application Systems for Plant Protection Fall. 3(3-4) CEM 143, ENT 425, HRT 402 or CSS 420, ENT 405 or concurrently or approval of instructor. Interdepartmental with and administered by the College of Natural Science.

A broad overview of pesticide chemistry, efficient usage, environmental fate, legislation and application techniques.

446. Pest Management: Biological Systems for Plant Protection Fall. 3(3-0) ENT 425, HRT 402 or CSS 420, BOT 405 or concurrently or approval of instructor. Interdepartmental with and administered by the College of Natural Science.

Management of plant pests utilizing host resistance, cultural practices, legislation, and biological systems.

447. Pest Management: Systems Management for Plant Protection Fall. 3(3) ENT 445, CSS 445, NSC 446 or approval of instructor. Interdepartmental with and administered by the College of Natural Science.

Designed to integrate knowledge and improve ability in arriving at pest management decisions of varying complexity involving the fields of agronomy, wildlife, horticulture, entomology, and plant pathology.

450. Natural Resource Administration Winter. 4(4-0) Seniors; not open to forestry majors. Interdepartmental with the departments of Fisheries and Wildlife, Forestry, Fish and Recreation Resources and Resource Development. Administered by the Department of Forestry.


455. Natural Resource Economics Fall. 4(4-0) Approval of department. Interdepartmental with the departments of Fisheries and Wildlife, Forestry, Park and Recreation Resources and Resource Development. Administered by the Department of Forestry.

Basic economic and political principles and techniques that govern the production and consumption of forest land products, including basic forest valuation procedures.

462. Agricultural and Rural Development in Developing Nations Fall. 3(3-0) PAM 201 or EC 201; PAM 260 recommended. Interdepartmental with Public Affairs Management, and Food Systems Economics and Management. Administered by Food Systems Economics and Management.

Traditional agricultural systems and the incentive environment for economic growth in rural areas. Adjustment to technological, institutional and human change. Strategies for rapid agricultural transformation.