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.

280. Selected Topics Fall, Winter, Spring. 1 to 4 credits. May be repeated for a maximum of 6 credits if different topics are taken. Approval of department.


350. Leadership Development for Agriculture and Natural Resources Winter, Spring. 3(3-0) May be repeated for a maximum of 6 credits. Approval of department. Leadership development. Preparation for community leadership. Firsthand look at social, economic, and political problems. Series of seminars, interviews, field trips. Emphasis on awareness, action, and involvement. Field trips required.

399. Professional Internships in Agriculture and Natural Resources Fall, Winter, Spring, Summer. 6 to 12 credits. May be repeated for a maximum of 12 credits. Juniors and approval of department. Professional experiences in a student’s major, supervision and evaluation by faculty and cooperating agencies.

410. Environmental Toxicology Winter. 4(4-0) B S 212, 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 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 405, 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(3-0) ENT 425, HRT 402 or CSS 405, BOT 405 or concurrently or approval of instructor. Interdepartmental with and administered by the College of Natural Science. Designed to integrate knowledge and improve ability to arrive at pest management decisions of varying complexity involving the fields of agronomy, wildlife, horticulture, entomology, and plant pathology.


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.

475. International Studies in Agriculture and Natural Resources Spring. 3 to 9 credits. Approval of college. Study-travel experience emphasizing contemporary problems affecting agriculture in the world, national, and local communities. Field trips, case studies, interviews with leading experts, government officials, community leaders. Supervised individual study.

480. Selected Topics Fall, Winter, Spring, Summer. 1 to 4 credits. May be repeated for a maximum of 9 credits if different topics are taken. Approval of department. Juniors or approval of college. Exposition of special topics in agriculture and natural resources.

491. Natural Resources and Modern Society Spring. 3(3-0) Juniors. Interdepartmental with and Resource Development. Administered by the Department of Forestry. A survey of the social and economic significance of natural resources in modern industrial and urban society. Current problems of natural resources management and use are examined in terms of the society in which they exist.

821. Agricultural Education in Rural Development (ED 821F) Winter. 3(3-0) Approval of department. Agricultural education at various levels and in different forms for rural development. Formal and non-formal education: planning, conducting and evaluating. Case studies from developing countries.

AMERICAN STUDIES AMS

College of Arts and Letters

301. Issues in American Civilization Fall. 3(3-0) May be repeated for a maximum of 9 credits. Sophomores. Selected issues in American life past and present, with materials drawn from such disciplines as history, social science, philosophy, literature and the arts. Topics vary.

378. Popular Culture and Technical Change Winter. 4(4-0) Juniors or approval of department. Interdepartmental with and administered by Lyman Briggs School. Interrelationships among elements of mass culture and technological change. Introduction to relevant research methods.

410. Perspectives in American Studies Winter. 3(3-0) Juniors, approval of American Studies adviser. Methods and significant works, for majors in the American Studies program. Offered by members of the relevant departments.

411. Problems in American Civilization Spring. 3(3-0) May be repeated for a maximum of 6 credits if different topic is taken. Juniors, approval of American Studies adviser. Seminar approach to selected problems in American life employing the objectives and approaches of interdisciplinary studies. Offered by members of relevant departments, for majors in the American Studies program.