901. Internship (H E 901) Fall, Winter, Spring, Summer. 3 to 5 credits. May re-enroll for a maximum of 9 credits. Approval of department. Supervised advanced graduate practitioners, observation, internships, and externships in the various areas of emphasis.

902. Independent Study in Family Ecology (H E 906) Fall, Winter, Spring, Summer. 1 to 5 credits. May re-enroll for a maximum of 9 credits. Approval of department. Study on an individual basis.

903. Seminars in Family Ecology (H E 906) Spring, Summer. 2 or 3 credits. May re-enroll for a maximum of 9 credits. Approval of department. Seminars in selected topics.

932. History and Philosophy of Home Management (FCS 932) Fall, Summer. 3(1-4) 437 and approval of department. History and development of home management as a field of study. Values and decision-making as analyzed by various disciplines and as used in home management.

933. Apprentice Experience in Home Management Residence (FCS 933) Fall, Winter, Spring. 3(1-6) 437 and approval of department. Experience in presenting home management as a resident course. Each student works with one home management group. Limited to a few well-qualified students.

999. Research Fall, Winter, Spring, Summer. Variable credit. Approval of department.

FISHERIES AND WILDLIFE

W F

College of Agriculture and Natural Resources

200. Resource Ecology and Man For course description, see Interdisciplinary Courses.


301. Fish and Wildlife of North America Winter. 3(3-0) N S 192 or B S 212. Comparative study of fish and wildlife groups in North America, their significant life history stages, morphology, migrations, habitats and populations. Common species are identified in the laboratory.

305. Management of Fish and Wildlife Resources Winter. 3(3-0) IDC 200 or other ecology course. Effects of regulations, refuges, stocking, species introductions, habitat manipulation, artificial feeding, genetic improvement, land use, ecological research and control of predators, diseases and competitors in the production of fish and game.

374. Biological Oceanography (474) Winter. 3(3-0) N S 195 or B S 212, 5(3-4) Winter of even-numbered years. Biology of marine animals, with emphasis on physical, chemical and biological factors affecting their abundance and distribution.


404. Fisheries and Wildlife Problems Fall, Winter, Spring. 1 to 5 credits. May re-enroll for a maximum of 12 credits. 6 credits of fisheries and wildlife; approval of department. To give undergraduate majors an opportunity to study special topics in fisheries and wildlife.

424. Wildlife Population Analyses Spring. 4(3-2) 305 or approval of department. Population measurement; reproductive and survival rates; sex and age determinations; handling and marking methods.

425. Wildlife Habitat Analyses Spring. 4(2-4) BOT 450 or ZOL 389 or FOR 289. Evaluation of environmental factors affecting wildlife species; food and cover measurements. Determination of limiting factors.

426. Ecology of Migratory Birds Fall. 4(3-4) ZOL 481 or approval of department. Ecological, behavioral, and physiological characteristics affecting population parameters of migratory birds and applications of these relationships to the management of migratory wildlife resources.

427. Wildlife Biology and Management Winter. 4(3-4) 424; ZOL 389 or BOT 450, 5(3-2) Winter of odd-numbered years. Ecology and management of resident wildlife on farm, forest and range lands.

450. Natural Resource Administration Fall, Winter. 4(4-0) Interdepartmental with the Forestry, Park and Recreation Resources, and Resource Development Department and administered by the Forestry Department. Concepts and methods of economics and administration and application of techniques to management of wildlands.

471. Ichthyology Spring. 3(3-3) ZOL 305 or 315. Interdepartmental with the Zoology Department. Classification and natural history of fishes. Emphasis on food, game, and forage fishes.

473. Fishery Biology and Management Fall, Winter. 4(2-3) ZOL 471. Biology of fishes with special reference to distribution and natural history, and application of this knowledge to problems of obtaining maximum return from fishery resources.

476. Limnology Winter. 3(3-0) B S 212. Interdepartmental with the Zoology Department. Ecology of lakes and streams with special reference to physical, chemical, and biological factors affecting their productivity.

477. Limnological Methods Winter. 3(3-0) 478 concurrently; ZOL 481; ENT 301, 302 recommended. Interdepartmental with the Zoology Department. Methods and instruments of limnological field investigation on lakes and streams.

484. Advanced Conservation Education Fall, Winter, Spring, Summer. Variable credit. Approval of department. Designed for secondary teachers. Areas of outdoor education, school camping, recreation, biology teaching and camp counseling. This course will offer both content and methods applicable to people working in specified types of jobs.

801. Seminar in Fisheries and Wildlife Fall, Winter, Spring. 1 or 2 credits. Graduate problems and current developments of importance.

802. Advanced Topics Fall, Winter, Spring, Summer. 1 to 6 credits. May re-enroll for a maximum of 15 credits. Approval of department. Study of selected advanced topics in detail and depth.

899. Research Fall, Winter, Spring, Summer. Variable credit. Approval of department.

FOOD SCIENCE AND HUMAN NUTRITION*

College of Agriculture and Natural Resources

College of Human Ecology†

Food Science FSC

211. Introduction to Food Science Spring. 3(3-0) Modern food processing, world food problems, and the basic characteristics of processed foods.

242. Meats, Poultry and Fishery Products I Fall. 3(3-2) Interdepartmental with the Animal Husbandry Department. Principles of evaluation and nutritive value. Identification of cuts and cuts of beef, pork, lamb and poultry products.

300. Dairy Products I Spring. 3(2-2) Composition, use, classification and market grading, methods of storage and factors affecting keeping quality of dairy products.

*Named changed October 17, 1970. Formerly Food Science and Human Nutrition and Foods.
†Named changed July 1, 1970. Formerly College of Home Economics.