850. Administering the Public Land Agency
Spring. (4-4-0) 450 or approval of department.
Case studies of administrative problems in land management agencies. Students are organized as teams and prepare team reports on specified aspects of each case.

851. Public Program Budgeting
Fall. (3-0-0) Approval of department. Interdepartmental with the Resource Development Department.
Survey of the federal government's planning-programming-budgeting system, stressing executive branch budget decision-making and budget administration in the natural resource bureaus.

855. Research Methods
Fall. (3-0-0) Approval of department. Interdepartmental with and administered by the Resource Development Department.
Research techniques applicable to management, and policy-oriented natural resource investigations. Analysis of project designs; preparation of project proposals. Evaluation of representative published research studies.

880. Special Problems
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 12 credits. Approval of instructor. Students with special interests and abilities may study published literature in a selected genetics topic or they may carry on research in the laboratory on a selected subject in collaboration with genetics faculty.

890. Selected Topics in Genetics
Fall, Winter, Spring, Summer. 2 to 3 credits. May re-enroll for a maximum of 9 credits. ZOL 441 and approval of instructor. Topics will be selected from molecular genetics, physiological genetics, population genetics, quantitative genetics, evolution, radiology and mutagenics, microbial genetics, somatic cell genetics, behavioral genetics, and human genetics.

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

990L. Physical Geography Laboratory
Fall, Winter, Spring, Summer. 4(2-4) or 2(2-0) 206 or concurrently.
Laboratory study of geographic aspects of map interpretation, aerial photographs, weather, climate, soils, landforms, and vegetation.

213. World Economic Geography
Fall, Winter, Spring, Summer. (3-0-0) Emphasis on evaluation of natural resources, industries and service activities, stressing factors of location and economic concepts of locational change.

215. World Food Issues
Spring. (3-0-0) Interdepartmental with Food Science.
Food resources as related to world distributions of population, soil, water, fuels and minerals. Special attention to urbanization, irrigation, and future food needs and global constraints.

223. Introduction to Cartography
Fall, Winter, Spring. (4-2-4) Sophomore. Use of aerial photographs in the identification and interpretation of physical and cultural features of the terrestrial environment. Includes principles of photogrammetry and stress application and practice.


230. Perspectives on Geography
Spring. (2-3-0) Introduction to the profession of geography for majors.