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

804. Forest Ecology
Winter 3(3-0). Approval of department.
Theories, methods of analysis, and discussion of current investigations of energy, nutrients, and biomass dynamics in forest ecosystems.

807. Special Problems
Fall, Winter, Spring, Summer. 2 to 5 credits. May reenroll for credit with a maximum of 10 credits. Approval of department.
Advanced study in administration, biometrics, phytosociology, dendrology, silviculture, management, economics, ecology, genetics, a

809. Natural Resources Economics
Winter. 3(3-0) Approval of department. Interdepartmental with the Department of Resource Development. Applications of economic analysis to natural resource problems.

828. Seminar
Fall. 1(1-0)
Critical study and discussion of advanced forestry topics.

830. Physiological Genetics
Winter. 3(3-0) Approval of department. Interdepartmental with the Department of Crop and Soil Sciences. Physiological bases for genetic variation in higher plants including adaptive physiology, quantitative genetics, growth correlations, biochemical genetics, hybrid physiology, and genecology.

835. Silviculture
Fall. 3(3-0) FOR 305 or approval of department. Biological basis of intensive forest management including seedling production, site evaluations, and preparation, plantation establishment, intermediate stand treatments and natural reproduction methods. Field trip optional.

840. Recreation Economics
Spring. 44(0) FOR 809 or approval of instructor. Interdepartmental with the departments of Park and Recreation Resources, and Resource Development. Administered by the Department of Park and Recreation Resources. Applications of economic analysis to recreation resource problems including measurement of demand and supply, valuation of recreation resources, determination of economic impact, economic decision making and policy considerations.

845. Forest Policy
Fall. 3(3-0) Approval of department. The dynamics and process of forest policy making.

850. Administering the Public Land Agency
Spring. 44(0) FOR 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.

855. The Research Process in Natural Resources
Fall. 3(3-0) Approval of department. Interdepartmental with and administered by the Department of Resource Development. Research and decision processes as applied in natural resource investigations. Research organization and applications of research results. Oriented to management, social science, and policy studies. Preparation of project proposals.

859. Master's Thesis Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

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

FRENCH
See Romance and Classical Languages.

GENERAL BUSINESS — BUSINESS LAW PROGRAMS

341. Survey of Business Law
341. Survey of Business Law
(BOA 341) Fall, Winter, Spring, 4(4-0). Juniors. Not open to students with majors in the College of Business. Historical development of the law; courts, court procedure and civil remedies, torts, crimes, contracts, agency, sales, negotiable instruments, real and personal property, including bailments and liens. Textbook and lecture rather than case approach.

400H. Honors Work
(BOA 400H) Fall, Winter, Spring, 4(4-0). Seniors. Interdepartmental with or approval of department.
Independent and informal study in law, office administration, or business communications.

440. Law and Society
(BOA 440) Fall, Winter, Spring, 3(3-0). Juniors. Interdepartmental with or approval of department. Legal reasoning and legal institutions. Court systems and court procedure. Relationships of citizens and business people to governmental agencies. Torts, crimes.

441. Contracts and Sales
(BOA 441) Fall, Winter, Spring, 3(3-0) GBL 440. Contracts, including concept of freedom of contract and limitations. Sales. Case study method.

442. Agency, Partnerships and Corporations
(BOA 442) Winter, Spring, 3(3-0) GBL 441. The law dealing with agency and business organizations. Case study method.

443. Negotiable Instruments, Secured Transactions, Property
(BOA 443) Winter, Spring, 3(3-0) GBL 442. The law of negotiable instruments, secured transactions, and property. Case study method.

447. Hotel Law
(BOA 447) Winter, Spring, 4(4-0) GBL 445. Legal aspects of the hospitality industry.

465. Field Studies
(BOA 465) Fall, Winter, Spring, 3(3-0) GBL 446. Planned program of observation and work in selected business firms. Analysis and reports.
805. Business Ethics
(BOA 805). Spring, 4(4-0) Graduate student in the College of Business or approval of instructor. Interdepartmental with and administered by the Department of Philosophy.
Ethical dimensions of such topics as corporate responsibility, preferential hiring, profit and taxation, deception and bribery, self-regulation versus government regulation, whistleblowing, and advertising. Readings from philosophical and business sources.

848. The Legal Environment of Business
(BOA 848). Fall, Summer, 4(4-0)
Critical examination of the environment in which business operates. Analysis of the component elements of the legal environment of business and the structural framework in which law functions.

878A. Seminar in Business Law
(BOA 878A). Winter, 4(4-0) GBL 848 or approval of department.
Contracts, sales, secured transactions and consumer legislation viewed from the judicial, legislative and executive vantage points.

878B. Seminar in Business Law
(BOA 878B). Spring, 4(4-0) GBL 848 or approval of department.
Agency, partnerships and corporations, viewed from legislative, judicial and executive vantage points, as they affect entrepreneurial decision making.

890. Special Problems
(BOA 890). Fall, Winter, Spring, Summer. Variable credit. Approval of department.

GENETICS

College of Natural Science

800. Genetics Seminar
Fall, Winter, Spring, 1(1-0) May reenroll for a maximum of 12 credits. Approval of director.
Student seminar to cover genetics subjects not considered in formal courses. Course is also intended to give students experience in reviewing and organizing literature in a subject, and orally presenting and defending the analysis.

804. Gene Transmission
Fall, 3(3-0) ZOL 441 or approval of instructor.
Molecular and formal genetic studies of the replication, recombination, repair and segregation of genetic information in procaryotes and eucaryotes. Experimental design and methodology will be emphasized.

805. Genetic Organization, Action and Regulation
Winter, 3(3-0) GEN 804.
Molecular and formal genetic studies of the organization, expression and regulation of gene activity in procaryotes and eucaryotes. Experimental design and methodology will be emphasized.

806. Population and Quantitative Genetics
Spring, 3(3-0) ZOL 441 or approval of instructor.
Genetics of quantitative characteristics in populations with special reference to polygenic variation and its interactions with environment, gene action and its measurement, mating systems, and selection.

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

980. Selected Topics in Genetics
Fall, Winter, Spring, Summer. 2 to 5 credits. May reenroll 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 mutagenesis, microbial genetics, somatic cell genetics, behavioral genetics and human genetics.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Summer. 3 to 12 credits. Major.
Research for the doctoral dissertation in genetics.

GEOGRAPHY

College of Social Science

GEO

Courses are classified as follows:
- Cultural-170, 301, 801, 901.
- Economic-213, 409, 435, 809, 835, 906.
- Field Techniques-415, 830.
- Geographic Education-708, 908.
- Historical-310, 810, 910.
- Independent Research-400H, 411, 818, 899, 918, 999.
- Medical-470, 870, 970.
- Quantitative Methods-427, 428, 811.
- Recreational and Environmental-109, 307, 308, 829.
- Theory and Philosophy-150, 425, 825, 856.
- Visual Media and Techniques-122, 223, 224, 424, 426, 446.

100. Man, Location and Environment
Fall, Winter, Spring, 3(3-0)
Concepts, theory, and methods of modern geography.

122. The World of Maps
Fall, Winter, Spring, 3(3-0)
Discussion of types, practical applications, and sources of maps.

150. Geography of Selected Current Problems
Fall, Winter, Spring, 2(2-0)
The geographic perspective is used to examine U.S. and world problems of major concern such as international conflicts, environment quality, spatial change, and economic development.

170. Future Worlds (S)
Fall, Spring, Summer, 3(3-0)
Geographical approach to environmental, biological, economic, social and political problems facing mankind between now and year 2000.

1DC. Introduction to Resource Ecology
For course description, see Interdisciplinary Courses.

201. Geography of Culture
Fall, Winter, Spring, 3(3-0)
A systematic discussion of cultural geography, stressing cultural processes and relationships.

204. World Regional Geography (S)
Fall, Winter, Spring, Summer, 4(4-0)
Man's relationship with natural and cultural environments.

206. Physical Geography
Fall, Winter, Spring, Summer, 4(4-0)
Analysis of weather, climate, landforms, soils, water, and biotic factors of man's environment, including their spatial, genetic, and functional interrelationships.

206L. Physical Geography Laboratory
Fall, Winter, Spring, 1(0-2) GEO 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, Summer, 4(4-0)
Emphasis on distribution of natural resources, industries and service activities, stressing factors of location and economic concepts of locational change.

223. Introduction to Cartography
Fall, Winter, Spring, 4(2-4)
Principles and techniques of constructing maps and other graphic devices. Types of map reproduction.

224. Remote Sensing: Airphoto Interpretation
Fall, Winter, Spring, 4(2-4) Sophomores.
Use of aerial photographs in the identification and interpretation of physical and cultural features of the terrestrial environment. Includes principles of photogrammetry and stresses application and practice.

1DC. Introduction to Contemporary China
For course description, see Interdisciplinary Courses.

1DC. Contemporary Japan
For course description, see Interdisciplinary Courses.

300. North America
Fall, Winter, Spring, 3(3-0)
Human and physical geography of North America, north of the Mexican border.