Descriptions — Forestry of Courses

491. Natural Resources and Modern Society
Spring, Summer. 3(3-0) Juniors. Interdepartmental with the Resource Development Department and Natural Resources. 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.

807. Special Problems
Fall, Winter, Spring, Summer. 2 to 5 credits. May re-enroll for credit with a maximum of 10 credits. Advanced study in administration, biometrics, photogrammetry, dendrology, silviculture, management, economics, ecology, genetics, arboriculture, hydrology, soils, recreation, physiology, policy, silviculture, objectives, timber harvesting, wood conversion, fire, range management, extension and pathology.

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

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

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

45. Recreation Economics
Fall, Winter. 4(4-0) 807 or approval of instructor. Interdepartmental with the departments of Parks and Recreation Resources and Resource Development and administered by the Department of Parks and Recreation Resources. Applications of economic analysis to recreation resource problems including measurement of demand and supply, valuation of recreation resources, determination of economic impacts, economic decision making and policy considerations.

55. 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.

555. Research Methods
Fall. 3(3-0) 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.

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

909. Timber Economics
Fall of odd-numbered years. 3(3-0) 457, 459, EC 400, 401, 402. Economic problems relevant to study of timber production, regional and national timber supply, demand and price, the effect of institutional factors, and other topics by review of past research.

910. Resource Economics Proseminar
Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Approval of department. Interdepartmental with the departments of Agricultural Economics and Resource Development. A seminar wherein advanced graduate students in the fields of resource economics participate with faculty in the joint conduct of a major research project in resource economics and policy.

960. Simulation Models in Natural Resource Management
Winter of odd-numbered years. 3(3-0) 855 and knowledge of FORTRAN programming or approval of department. Interdepartmental with and administered by the Department of Resource Development. The role of simulation models in developing management strategies. Applications of computer simulation in natural resources. Modeling of decision systems in natural resource management.

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

GEOGRAPHY GEO

College of Social Science

Courses are classified as follows:

Cultural—170, 201, 404, 401, 901.
Field Techniques—415, 850.
Geographic Education—458, 858.
Historical—910, 910, 910.
Independent Research—400H, 411, 480, 518, 599, 918, 990.
Medical—407, 870, 970.
Political—170, 416, 890, 908.
Population—215, 320, 836, 934.
Quantitative Methods—427, 428, 811.
Recreational and Environmental—307, 309, 828.
Theory and Philosophy—150, 260, 425, 450, 825, 826, 827.
Urban—318, 401, 402, 403, 805.

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

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

150. Geography of Selected Current Problems
Winter. 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
Fall, Spring, Summer. 2(2-0) Geographical approach to environmental, biological, economic, social and political problems facing mankind between now and year 2000.

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