

- 430. Religious Dimensions in Literature**
Spring. 3(3-0) Juniors.
Theological criticism in literature and literary works as reflections of Christian thought from ancient to modern times. Specific works studied will vary from term to term.
- 452. The Protestant Reformation**
Fall. 4(3-0) Juniors.
The theological background of the Continental Reformation. Varied patterns of the twentieth century theological currents and their offshoots: Lutheranism, Calvinism, Anabaptists and other radical schools of thought.

The following 'Studies' courses offer opportunities for inquiry in depth of a variety of themes, topics or problems in several areas. They are planned for advanced students who have some familiarity with the general area in question. The precise content of each course will vary each time it is taught, thus making available a notable richness of content and interpretation. The student should inquire at the Department of Religious Studies Office for information on the particular courses which will be taught each term.

- 470. Studies in Sacred Literatures**
3(3-0) May reenroll for a maximum of 9 credits. Approval of department.
- 475. Studies in Christianity**
3(3-0) May reenroll for a maximum of 9 credits. Approval of department.
- 477. Studies in Buddhism**
3(3-0) May reenroll for a maximum of 9 credits. Approval of department.
- 495. Individual Readings**
Fall, Winter, Spring. 1 to 5 credits. May reenroll for a maximum of 10 credits if different topics are taken. Approval of department.
Enrollment limited to upper class students with preference given to majors and to students with at least nine credits in religion or other appropriate preparation.
- 801. Graduate Studies in Religion**
Fall, Winter, Spring. 3(3-0) May reenroll for a maximum of 12 credits. Approval of department.
Readings on pre-announced topics, individual and group conferences as scheduled, preparation and presentation of research papers.

**RESOURCE
DEVELOPMENT**

R D

**College of Agriculture and Natural
Resources**

- IDC. Introduction to Resource Ecology**
For course description, see Interdisciplinary Courses.

- 301. Conservation of Natural Resources**
Fall, Winter, Spring, Summer. 3(3-0)
Development of conservation movement with broad treatment of basic natural resources (minerals, land, waters, forests, wildlife). Conservation practices and facilities, organizations, and agencies involved in their application. General introduction to field.
- 385. Junior-Senior Seminar**
Fall, Winter. 1(1-0) Junior majors.
Current issues, problems and opportunities in resource development. Student involvement in discussions, analyses, and presentations on resource problems and possible solutions.
- 417. Land Economics**
Fall, Spring. 4(4-0) Interdepartmental with Public Affairs Management and Food Systems Economics and Management and the Department of Economics.
Factors affecting man's economic use of land and space resources. Input-output relationships; development, investment, and enterprise location decisions. Land markets; property rights; area planning; zoning and land use controls.
- 420. Water Resource Development**
Fall, Winter, Spring, Summer. 4(3-0)
Significance of water resources in modern society. Introduction to the needs of industry, agriculture and recreation. Concepts of development, use and conservation are critically evaluated in terms of future needs.
- 431. Law and Social Change**
(450., UMS 431.) Fall, Spring. 3(3-0) BOA 440 or approval of department. Interdepartmental with Public Affairs Management.
Law as applied to urban and rural context of social change. A review of both formal and informal aspects of system accessibility, institutional formation, government, civil rights, and human service.
- 435. Law and Resources**
Fall. 3(3-0) R D 417 or BOA 440. Interdepartmental with the Department of Forestry.
Legal theories, cases, statutes and constitutional considerations are applied to natural resource utilization. Private and public property interests in natural resources are illustrated through case studies of use conflicts.
- 450. Natural Resource Administration**
Fall. 4(4-0) Seniors; not open to forestry majors. Interdepartmental with Agriculture and Natural Resources and the departments of Fisheries and Wildlife, Forestry, and Parks and Recreation Resources. Administered by the Department of Forestry.
Concepts and methods of administering wildland properties. The legal, economic and social environment. Benefit-cost analysis of management changes. Unit organization, personnel management and accounting. Presents a systems view of administration.
- 455. Natural Resource Economics**
Fall. 4(4-0) Approval of department. Interdepartmental with Agriculture and Natural Resources and the departments of Fisheries and Wildlife, Forestry, Park and Recreation Resources. 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.

- 460. Regional Economics**
Winter. 4(4-0) R D 417 or EC 324. Interdepartmental with Public Affairs Management and Food Systems Economics and Management and the Department of Economics.
Forces affecting location decisions of firms, households and governments. Applications to agricultural, industrial, and regional developments.
- 461. Regional Economics Laboratory**
Spring. 1(0-2) R D 460 and approval of department. Interdepartmental with Public Affairs Management and Food Systems Management and the Department of Economics.
Evaluation and use of analytical models designed to solve regional economic problems.
- 470. Energy Supply and Policy**
Spring. 3(3-0) EC 200; EC 201 recommended.
World and U.S. energy supply, demand, estimation techniques, net energy, payback time, social indicators, growth, social constraints and alternative policies.
- 480. Individual Study**
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 10 credits. Approval of department.
Supervised readings. Individual study of selected topics.
- 481. Selected Topics**
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 10 credits. Approval of department.
- 485. Senior Proseminar**
Winter, Spring. 2(2-0) Senior majors.
Current issues, literature, and professional approaches in resource development.
- 491. Natural Resources and Modern Society**
Spring. 3(3-0) Juniors. Interdepartmental with the Department of Forestry and Agriculture and Natural Resources. 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.
- 801. Resource Development Policy**
Fall. 3(3-0)
Analysis of past and present public resource development policies and programs in the United States. Emphasis on national policies.
- 802. International Resource Development**
Winter. 3(3-0)
Investigation and analysis of major natural resource use patterns and problems emerging on the international scene. Implications of these patterns and problems for the United States. Examination of national and international agencies.
- 805. Regional Resource Development**
Spring. 3(3-0) Approval of department.
Multi-state organizational forms for natural resource development. Strengths, weaknesses, and potentials. Historical precedents and proposals for the future. TVA, UGLRC, ARC, and DRBC, are studied.

**Descriptions – Resource Development
of
Courses**

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

810. Economics of Public Choice
Winter. 3(3-0) Approval of department. Interdepartmental with the departments of Agricultural Economics and Economics. Administered by the Department of Agricultural Economics. Economics of alternative institutions for collective action. Emphasis on property rights and natural resources. Public goods, externalities, non-marginal change, commonwealth, income and power distribution, grants, welfare criteria and market failure.

811. Public Program Analysis
Spring, Summer of odd-numbered years. 3(3-0) EC 324 or approval of department. Interdepartmental with the departments of Agricultural Economics and Economics. Administered by the Department of Agricultural Economics. Application of benefit-cost analysis to public programs of resources development. Issues and case studies in budgeting, investment criteria, pricing, externalities, and coordination.

812. Public Direction of Land Use
Spring. 3(3-0)
Use of public spending, property ownership, police, condemnation, and taxation powers to influence land use decisions.

821. Water Management Institutions
Winter. 3(3-0)
Major institutional structures and issues in water resource management. Emphasis on linkages between federal, state and local management levels.

824. Watershed Management
Spring. 3(3-5)
Investigation of watersheds, emphasizing physical relationships of water to other resources. Survey of water problems, planning for water use and management practices including conservation and multiple use aspects. Field trips optional.

832. Natural Resource Law
Spring. 3(3-0)
Theoretical basis of legal controls of natural resources. Focus on common law and constitutional basis for and limitations on government power.

835. Water Resources Law
Winter. 3(3-0)
Legal principles affecting private rights in state and federal regulation of surface and ground waters. Emphasis on water quality controls.

836. Environmental Law I
Fall. 3(3-0) Approval of department.
Public and private legal controls and restrictions on resource use, including common law, nuisance and trespass, citizen suits, class actions, appeals from agencies, Administrative Procedure Act, National Environmental Policy Act.

837. Environmental Law II
Winter. 3(3-0) R D 836.
Analysis of federal environmental laws (NEPA, WQIA, Clean Air Act). Form and content of Environmental Impact Statements and problem of agency discretion and judicial review.

838. Selected Topics in Environmental Law
Winter, Spring. 3(3-0) May reenroll for a maximum of 9 credits if different topic is taken. Approval of department; R D 836 or R D 832 recommended.
Topics dealing with laws and legal issues in: toxic substances, technology assessment, transportation systems, wildlife and fisheries, air quality, land use.

840. Recreation Economics
Spring. 4(4-0) FOR 809 or approval of instructor. Interdepartmental with the departments of Park and Recreation Resources and Forestry. 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.

842. Park and Recreation Policy
Winter. 3(3-0) Interdepartmental with and administered by the Department of Park and Recreation Resources.
Recreation, leisure and work concepts. Determination of needs for recreation facilities. Factors affecting public and private allocation of resources for provision of needed facilities.

855. The Research Process in Natural Resources
Fall. 3(3-0) Approval of department. Interdepartmental with the Department of Forestry.
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.

860. Regional Science Methods
Spring. 4(4-0) R D 460 or approval of department.
Demographic analysis, social accounts, economic base, input-output, industrial complex, linear programming, gravity models, and other techniques for regional research.

864. Concepts and Principles of Community Development
Fall. 3(3-0) Approval of department.
Concepts, principles, models, frameworks of community development. Analysis of the interface between community development theory, practice and research.

865. Community Systems for Community Development
(814.) Winter. 4(3-2) R D 864 or approval of department. Interdepartmental with the Department of Family and Child Ecology.
Basic systems of the community, their functions and interrelatedness; the family, economic, government, education, and supportive service systems. Field trips required.

866. Community Development Field Study
(816.) Spring. 4(2-4) R D 865 or approval of department. Interdepartmental and jointly administered with the Department of Family and Child Ecology.
On-site study of major community systems. Individual or group investigation of community efforts, problems, and opportunities. Field project required.

880. Individual Study
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 10 credits. Approval of department.
Supervised readings. Independent study of selected topics.

881. Selected Topics
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 10 credits. Approval of department.

889. Master's Research
Fall, Winter, Spring, Summer. 1 to 5 credits. May reenroll for a maximum of 5 credits. Approval of department.
Master's degree Plan B research paper.

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

910. Resource Economics Proseminar
Spring. 3(3-0) May reenroll for a maximum of 9 credits. Approval of department. Interdepartmental with the departments of Forestry and Agricultural Economics. Administered by the Department of Forestry.
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) R D 855 and knowledge of FORTRAN programming or approval of department. Interdepartmental with the Department of Forestry.
The role of simulation models in developing management strategies. Applications of computer simulation in natural resources. Modeling of decision systems in natural resources management.

981. Advanced Topics
Fall, Winter, Spring. 3(3-0) May reenroll for a maximum of 12 credits. Doctoral students.
Topics in different resources (land, water, air, minerals, energy) and resource problems (production, transportation, distribution).

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

ROMANCE AND CLASSICAL LANGUAGES

College of Arts and Letters
Students who have had high school work in the foreign language in which they wish to continue their studies must take a placement examination in that language. Placement in the appropriate course is determined by the results of this examination. University credit is not given for courses waived by performance on the placement examination.

Romance Language Courses ROM

241. Masterpieces of the Romance and Classical Literatures in English Translation (A)
Fall. 4(4-0)
Great books in Greek and Latin literatures, as well as in French, Italian and Spanish Medieval literatures. Readings from such writers as Sophocles, Homer, Dante, and Villon. Guest lectures by specialists on the various works.