

**Resource Development — Descriptions
of
Courses**

318. Development of Christian Thought
Winter. 3(3-0) *Not open to students with credit in REL 320 or REL 321 or REL 322.* Development of major doctrines from early church to present. Trinity, Christology, Eucharist, grace, sacraments, predestination, redemption. Key controversies, issues, theological influences, Catholic and Protestant. Augustine, Aquinas, Luther, modernity.

331. Classical Judaism
Fall. 3(3-0)
Major developments in Jewish life and thought from Ezra to Maimonides, including the rise of the synagogue, Sabbath, rabbinate, Talmud, and Midrash. Representative Jewish thought during the Golden Age of Jewish-Arabic culture.

332. Modern Judaism
Winter. 3(3-0)
Major developments in Jewish life and thought in modern times, emphasizing the Hasidic, Reform, Zionist, Conservative, and Reconstructionist movements and reactions against them, and contemporary issues in Jewish thought.

335. Islam
Winter. 3(3-0)
Life of Muhammad and rise of the Muslim community, spread of Islam, the Koran, basic beliefs and practices, schools of thought, mysticism, unity and diversity within Islam.

337. Modern Islam
Spring of even-numbered years. 3(3-0)
Major developments in Muslim thought and practice in modern times, with emphasis on reform and revivalist movements and contributions of key Muslim spokesmen in Arabia, Egypt, India/Pakistan, and Turkey.

338. The Koran and the Bible
Spring of odd-numbered years. 3(3-0)
An introduction to the Islamic scripture, including its historical setting, development, literary forms, and teachings, followed by comparative study of Koranic and Biblical stories, characters, and themes.

350. Hinduism
Fall. 3(3-0)
The roots of Hinduism in Vedic tradition and Dravidian religion and the historical development of Hinduism. Hindu beliefs, rituals, practices, philosophical systems, spiritual paths, sects, and caste system. Role of Hinduism in Indian society.

353. Confucianism and Taoism
Winter of odd-numbered years. 3(3-0)
Confucianism, especially Mencius; Taoism, especially the Lao-Tzu and Chaung-Tzu; Neo-Confucianism. Emphasis on the socio-ethical-political role of Confucianism and the mystical-metaphysical-religious role of Taoism.

354. Shinto and Japan's New Religions
Winter of even-numbered years. 3(3-0)
Shinto as basis of traditional Japanese society; current status and role. The new religions of Japan, including their roots, character, current status and role; special attention to Soka Gakkai.

355. Hinayana Buddhism
Fall. 3(3-0)
Siddhattha Gotama and the origins of Buddhism. Theravada in historical development; the Tipitaka and its teachings; epistemology, psychology, logic, science, and world-view; the Sangha and socio-political relations. Current status.

358. Mahayana Buddhism
Spring. 3(3-0)
The various schools of Mahayana, Tantric Buddhism, Lamaism (Tibetan Buddhism), and Zen. Geographical areas of India, China and Japan. Interactions with other religions; social, cultural and political impacts.

360. Christian Thought Today
Fall. 3(3-0)
Major movements and developments in Christian thought today; key Christian theologians and their ideas relating to personal faith, social and political life today; future directions in interpreting the Christian tradition.

370. Religion in American Culture (A)
Fall. 3(3-0)
Historical and interpretative study of religion in American culture from Spanish and French explorations to 1860. Puritanism, deism, revivalism, communal movements, cults, pietism, development of the civil religion of 'Americanism'.

371. Religion in American Culture (A)
Winter. 3(3-0)
Historical and interpretative study of religion in American culture from 1860 to the present. Theological interpretations of the Civil War, industrialism, imperialism, social gospel, black religion, communal movements, cults, 'Americanism'.

372. American Civil Religion (A)
Spring. 3(3-0)
Theological, historical and sociological factors in the development and diversification of American civil religion; sense of identity, mission, and destiny; investigation of the theories of Bellah, Marty, Mead, Herberg, Novak.

380. Issues in Science and Religion
Winter. 4(4-0) Juniors or approval of department. Interdepartmental with the Department of Natural Science.
History of relationships between science and religion. Methods of science and religion. Attempts at resolution of conflicts and formation of new syntheses.

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(4-0) 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.

475. Studies in Christianity
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

203. Resource Ecology
(IDC 200.) Fall, Winter, Spring, Summer. 3(3-0) Interdepartmental with the departments of Fisheries and Wildlife, Forestry, Geography, and Zoology. Administered by the Department of Fisheries and Wildlife.
Basic concepts of ecology which are the unifying basis for resource management, conservation policy and the analysis of environmental quality. Extensive use of guest lecturers.

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 the economic use of land and space resources by people. 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. 3(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
(UMS 431.) Fall, Spring. 3(3-0) GBL 430 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 GBL 430. 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.

Descriptions — Resource Development of Courses

450. Natural Resource Administration
Winter. 4(4-0) Seniors; not open to forestry majors. Interdepartmental with Agriculture and Natural Resources and the departments of Fisheries and Wildlife, Forestry, and Park 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 Economics and 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.

803. Critical Issues in Urban Development Policy
Fall, Spring. 2(2-0)

Critical urban development issues and policy alternatives. Urban economic, environmental, social services, and Third World issues and policy alternatives.

Approved through Summer 1986.

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.

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. 5(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.

825. Resource Analysis for Development Planning
Fall. 4(3-2) Approval of department

Integrated surveys and resource inventories linked with computer-aided resource analysis and land evaluation to support regional, national and international resource development planning and policy analysis.

831. Role of the Expert Witness
Spring of odd-numbered years. 3(3-0) Approval of department.

Rules of procedure concerning pretrial proceedings and rules of evidence. Students will participate in mock trials including both direct and cross examination.

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 Development Field Study: Project Design
Winter. 4(3-2) R D 864 or approval of department. Interdepartmental with the Department of Family and Child Ecology.

Design of a community development project in a selected Michigan community. Focus on community issues using the action research model of community change (field trips required).

866. Community Development Field Study: Project Implementation
Spring. 4(2-4) R D 865 or approval of department. Interdepartmental with the Department of Family and Child Ecology.

Undertaking the project designed in R D 865 (field project required).

867. The Community Development Process
Winter. 4(3-2) R D 864 or approval of department.

Field techniques associated with the practice of community development.

868. The Research Process in Community Development
Spring. 4(4-0) R D 864 or approval of department.

Techniques for producing and using research in the community development process.

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.

242. Masterpieces of the Romance Literatures in English Translation (A)
Winter. 4(4-0)

Themes, genres and movements transcending national boundaries in French, Italian, and Spanish literatures of the 16th through 18th centuries. Topics such as the picaresque tradition, the spirit of the Renaissance, neoclassical theatre, the novel, and the Enlightenment.

243. Masterpieces of the Romance Literatures in English Translation (A)
Spring. 4(4-0)

Emphasis on literary works from the nineteenth and twentieth centuries of the old and new worlds. Topics such as the novel, existentialism, and the development of the theatre. Guest lectures by specialists on the various works.

299. Special Projects
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 8 credits. Approval of department.
Work in areas outside regular course offerings.

302. French and Italian Cinema: 1930-1959
Winter. 3(2-2) Sophomores.
Major French and Italian films, directors, movements and trends during the period 1930-1959.

310. Latin America Today
Fall. 3(3-0) Juniors.
Major problems and conflicts determining the cultural development of contemporary Latin America as a whole.

350. The Contemporary Romance Film
Fall, Winter, Spring. 4(2-4) May reenroll for a maximum of 8 credits. A L 210 or TC 280. Interdepartmental with Italian, French, Spanish.

Development of the student's esthetic and cultural appreciation of films by outstanding European directors, most notably, those of France, Italy, and Spain.

401. Introduction to Spanish Bilingual/Bicultural Education
Winter, Spring, Summer. 4(4-0) Approval of department.

The development and implementation of bilingual materials in the classroom, investigation of curriculum from an applicational perspective, visitation and observation of bilingual classes for the Spanish-speaking American.

418. Scandinavian Contributions to Literary Tradition
Winter. 3(3-0) Approval of department. Interdepartmental with German and Russian and the Department of English. Administered by German and Russian.

Development and influence of the ideas, forms and motifs of the Scandinavian literatures in the literatures of the world.

498. Topics in Comparative Literature
Fall, Winter, Spring. 3(3-0) or 4(4-0) May reenroll for a maximum of 12 credits if different topics are offered. Interdepartmental with German and Russian and the Department of English.

Varying topics on relationships among writers, themes, genres, movements and periods in different national literatures, and between literature and other arts.

499. Special Projects
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 8 credits. Approval of department.
Work in areas outside regular course offerings.

800. Research Methods and Bibliography of the Romance Literatures
Fall. 3(3-0) Recommended for first-year graduate students.

Methods of research, basic bibliographical tools, critical terminology and techniques of scholarly writing, library procedures.