

**Description — Religious Studies
of
Courses**

337. Modern Islam

Spring of odd-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 even-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.

340. Hinduism

(REL 350.) 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.

341. Buddhism

Winter. 3(3-0) Not open to students with credit in REL 355.

South Asian sources of Buddhism: Pali texts, early scholasticism; councils and schisms. Development of Mahayana and tantric groups. Buddhist epistemology and psychology. Formation of Sangha and Buddhist sects. Monasticism and meditation.

342. Religions of China

Spring of even-numbered years. 3(3-0)

Not open to students with credit in REL 353.

Archaic China and ancestor worship. Confucianism, especially Mencius. Taoism, especially Lao Tzu. Schools of Chinese Buddhism, especially Lotus and Ch'an. Neo-Confucianism. Folk and popular religions. Syncretism of Chinese worldview.

343. Religions of Japan

Spring of odd-numbered years. 3(3-0)

Not open to students with credit in REL 354.

Early Japanese religiosity. Development of kami/Shinto as basis of traditional Japanese society. Importations from China; Medieval Buddhism, especially Pure Land, Nichiren, and Zen. Bushido, way of the warrior. New religions.

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.

425. Women and Religion: Feminist Critiques Since 1970

Winter. 3(3-0) Juniors or approval of department. Interdepartmental with Women's Studies Program.

Writings and thought of contemporary Jewish and Christian feminist theologians; views on scripture, God-language, patriarchy, ministry, spirituality, ethics. Scriptural reinterpretations; overview of women's role and place in world religions.

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) EC 201. Interdepartmental with Public Affairs Management and Food Systems Economics and Management and the Department of Economics.

Factors affecting the economic use of land. Input-output relationships, development, property rights, zoning and land use controls, public land. Application of economic principles to selected land use policies.

419. Special Topics in Resource Economics and Policy (MTC)

Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 12 credits if different topics are taken. EC 201, EC 202, approval of department. Interdepartmental with Public Affairs Management.

Theoretical and applied topics in natural resource economics and policy.

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.

425. Resource Information Systems

Spring. 4(2-4) Approval of department.

Resource data base development, file manipulation, computer-aided site analysis, environmental impact, and resource assessment studies.

429. Special Topics in Natural Resource Management (MTC)

Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 12 credits if different topics are taken. Approval of department.

Theoretical and applied topics in natural resource management.

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.

**Resource Development — Description
of
Courses**

- 439. Special Topics in Environmental Policy and Law (MTC)**
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 12 credits if different topics are taken. Approval of department.
Theoretical and applied topics in environmental policy and law.
- 450. Natural Resource Administration**
Spring. 4(4-0) Seniors. 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(3-2) EC 200 or EC 201. 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 institutional principles and techniques that govern the production and consumption of renewable natural resources. Natural resource evaluation, project analysis, and distributional considerations.
- 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.
- 466. Natural Resource Planning**
Winter. 3(2-2) FOR 455 or R D 417 or approval of department. Interdepartmental with the departments of Forestry, and Park and Recreation Resources. Administered by the Department of Forestry.
Natural resource planning concepts and techniques applicable to area-level and subarea-level planning. Case studies in comprehensive, multiple resource public planning and single resource private planning.
- 469. Special Topics in Community and Regional Development (MTC)**
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 12 credits if different topics are taken. Approval of department.
Theoretical and applied topics in community and regional development.
- 470. Energy Supply and Policy**
Spring. 3(3-0) EC 202; 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.
- 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**
Spring. 2(2-0)
Critical urban development issues and policy alternatives. Urban economic, environmental, social services, and Third World issues and policy alternatives.
- 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.
- 812. Land Use Controls**
Winter. 3(3-0)
Use of public spending, property ownership, police, condemnation, and taxation powers to influence land use decisions.
- 819. Special Topics in Resource Economics and Policy (MTC)**
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 12 credits if different topics are taken. Approval of department.
Theoretical and applied topics in natural resource economics and policy.
- 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.
- 829. Special Topics in Natural Resource Management (MTC)**
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 12 credits if different topics are taken. Approval of department.
Theoretical and applied topics in natural resource management.
- 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**
Fall. 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.

Description — Resource Development of Courses

839. **Special Topics in Environmental Policy and Law (MTC)**
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 12 credits if different topics are taken. Approval of department.
 Theoretical and applied topics in environmental policy and law.
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.
863. **Benefit Cost Analysis**
Spring. 3(3-0) AEC 805 or AEC 850 or approval of department. Interdepartmental with and administered by the Department of Agricultural Economics.
 Benefit-cost analysis of agricultural and natural resource projects, including financial and economic analysis. Case studies in project design and appraisal in low and high income countries.
864. **Concepts and Principles of Community Development**
Fall. 4(4-0) 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.
869. **Special Topics in Community and Regional Development (MTC)**
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 12 credits if different topics are taken. Approval of department.
 Theoretical and applied topics in community and regional development.
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.
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.
911. **Public Program Analysis**
Spring. 3(3-0) AEC 863, EC 805A, EC 805B; or approval of department. Interdepartmental with the departments of Agricultural Economics and Economics. Administered by the Department of Agricultural Economics.
 Policy aspects of nonmarket value estimation, shadow pricing, time preference, and risk analysis applied to systematic choice of agricultural, natural and human resource regulatory and public investment programs.
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.
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.
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.
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.
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.