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, Sebba, 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 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 Koran and Biblical stories, characters, and themes.

340. Hinduism  
(REL 350) Fall. 3(3-0)  

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

342. Religions of China  
Spring of even-numbered years. 3(3-0) Not open to students with credit in REL 353.  

343. Religions of Japan  
Spring of odd-numbered years. 3(3-0) Not open to students with credit in REL 354.  

346. 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 interpretive study of religion in American culture from Spanish and French explorations to 1600. 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 interpretive study of religion in American culture from 1600 to the present. Theological interpretations of the Civil War, industrialism, imperialism, social gospel, black religion, communal movements, cults, Pietism, development of the civil religion of "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.

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 reinterpretation; overview of women’s role and place in world religions.

430. Religious Dimensions in Literature  
Spring. 3(3-0)  
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.

432. The Protestant Reformation  
Fall. 4(4-0)  
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, soil and land use controls, and 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(2-0)  
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 a reflection of urban and rural contexts of social change. A review of both formal and informal aspects of system accessibility, institutional formation, government, civil rights, and human service.

435. **Land and Resources**  
Fall, Spring, 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.

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 natural resources. The legal, economic and social, ethical, and environmental aspects of management changes. Unit organization, personnel management and accounting. Presents a systems view of administration.

455. **Natural Resource Economics**  
Fall, Spring, 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**  
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(3-2) 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 Benedit-cost analysis of urban society. Current problems of natural resources management and use are examined in terms of the society in which they exist.

801. **Resource Development and 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 and Policy**  
Spring, 3(3-0)  
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 DBRC, 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-marketable 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(0-5)  
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.

833. Comparative Resource and Environmental Policy
Winter. 3(3-0) Approval of department.
Similarities and differences in approaches to resource and environmental issues in the US, USSR, UK, Canada, Australia, France, and other countries.

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
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.

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 450 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 850 or AEC 855 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.

876. International Community Development
Fall. 3(4-0) Approval of department.
International community development, nonformal education, and agricultural extension education — a comparative perspective based on current practice in Africa, Asia, Latin America, and the Caribbean.

878. Administration of Rural Development
Spring. 3(3-0) Approval of department.
Planning, organizing, staffing, financing, directing, and evaluating rural development projects and programs in Africa, Asia, and Latin America and the Caribbean.

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. Variable credit. Approval of department.

910. Resource Economics Proseminar
Spring of odd-numbered years. 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 805SR 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.

936. Advanced Environmental Law
(R D 837.) Spring of odd-numbered years. 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.
Descriptions — Resource Development of Courses

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 won by performance on the placement examination.

Romance Language Courses

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(3-0) Sophomores.
Major French and Italian films, directors, movements and trends during the period 1930-1959.

350. The Contemporary Roman Film
Fall, Winter, Spring. 4(2-4) May reenroll for a maximum of 8 credits. A, 2, 3, 6, 7, 8-10. Interdepartmental with Italian, French, Spanish. Development of the student's aesthetic and cultural appreciation of films by outstanding European directors, most notably, those of France, Italy, and Spain.

498. Topics in Comparative Literature
Fall, Winter, Spring. 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. Interdepartmental with and administered by the Department of English.

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.

850. Critical Theory
Fall, Winter, Spring. 1(1-0) May reenroll for a maximum of 6 credits if different topics are taken.
Topics in post-structuralist critical theory: semiotics, deconstruction, Marxist criticism, feminism, intertextuality, and post-Freudian psychoanalysis.

877. Myth, Ritual and Folklore in Literature
Fall of odd-numbered years. 3(3-0) May reenroll for a maximum of 12 credits. Interdepartmental with and administered by the Department of English.
The concepts, scholarship, and methods of study and research in mythology, ritual, and folklore, with special attention to their use in literature and drama.

901. Studies in Comparative Literature
Fall, Winter, Spring. 3(3-0) May reenroll for a maximum of 12 credits. Interdepartmental with and administered by the Department of English.
Critical approaches to genre, periodization, and influence.

CLA

220. English from Greek and Latin Roots
Fall. 3(3-0) Interdepartmental with the Department of English.
Prefixes, roots, suffixes derived from Greek and Latin word elements used in formation of English words. Useful for improving vocabulary and spelling.

221. Scientific Terminology
Spring. 3(3-0)
Basic Latin and Greek roots employed in scientific terminology in medicine, biology, pharmacology, chemistry, physics and other areas.

299. Special Projects
Fall, Winter, Spring, Summer. 1 to 9 credits. May reenroll for a maximum of 9 credits. Interdepartmental with and administered by the Department of English.
Independent study in Greek, Latin, and classical studies outside regular course offerings.

304. Masterpieces of Greek and Latin Literature in English Translation
Winter. 3(3-0) Major Greek and Latin authors in English translation.

305. Greek and Roman Epic in English Translation
Spring. 3(0) The "Iliad", "Odyssey", "Aeneid", and selections from other ancient epics, in English translation.

306. Greek and Roman Drama in English Translation
Fall of odd-numbered years. 3(3-0) Sophomores.
Major Greek and Roman plays in English, with emphasis on themes and structures in the historical context.

319. Greek Mythology: Gods
Fall. 3(0)
Nature of Greek myth, its place in Greek society and relationship to myths of other ancient cultures. Emphasis placed upon myths of Greek gods.

320. Greek Mythology: Heroes
Winter. 3(3-0) Nature of Greek myth, its place in Greek society and relationship to myths of other ancient cultures. Emphasis placed upon myths of the hero.

325. Greek and Roman Religion and Cults
Fall. 3(3-0) Religious life of the Greeks and Romans, with emphasis on cults and priesthoods, festivals and sacrificial rites, and the ecstatic and mystic movements.

326. Greek Civilization
Winter. 3(3-0) Sophomores.
Greek civilization and its contribution to the modern world in such areas as government, art, architecture, literature, philosophy, science, religion, education, and private life.

327. Roman Civilization
Spring. 3(3-0) Survey of the essential features of Roman civilization: literary history, art, architecture, archaeology, political institutions, private life, and contributions to modern civilization.

330. Women in Greek and Roman Society
Fall of even-numbered years. 4(4-0) Image, role and status of women in Greek and Roman societies as shown by literature and art. Comparative approach with modern studies concerning women. Readings in English.

499. Special Projects
Fall, Winter, Spring, Summer. 1 to 12 credits. May reenroll for a maximum of 12 credits. Interdepartmental with and administered by the Department of English.
Independent study in Greek, Latin, and classical studies outside regular course offerings.