

Descriptions—Religious Studies of Courses

357. Religion and Society in Bali

Fall of even years. 4(4-0) R: Not open to freshmen.
The nature of Balinese religion. Temple and life-cycle ceremonies. Death and reincarnation. Ancestral temples. Trance and curing.

360. African Religion: An Introduction

Spring of odd years. 3(3-0) R: Not open to freshmen
Variant forms of the religions of Africa. Indigenous African religions examined through their mythology, rituals, symbols, and social consequences. Islam and Christianity. Interaction between religion and politics.

410. Hebrew Bible

Fall. 3(3-0) R: Not open to freshmen or sophomores.
The historical setting and types and meaning of the text of the Hebrew Bible (Christian Old Testament) explored through various techniques of historical, literary, and textual analysis.

411. Modern Jewish Thought

Spring of even years. 3(3-0) R: Not open to freshmen or sophomores.
Representative Jewish thought from the Enlightenment to the present. Authors such as Moses Mendelssohn, Abraham Geiger, Leo Pinsker, Hermann Cohen, Franz Rosenzweig, Ahad Ha-Am, Martin Buber, Mordecai Kaplan, A. I. Heschel, and Emil Fackenheim.

418. Studies in Ancient Near Eastern Religions (MTC)

Fall, Spring. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course. R: Not open to freshmen or sophomores.
Interdisciplinary study of specific topics in the religious thought of the Near East and Mediterranean between 3000 BCE and 700 CE.

418A. The Political Context of the Development of the Hebrew Scriptures

3(3-0) R: Not open to freshmen or sophomores.
Religious and political controversy in Israel from 1250 BCE to 300 BCE and its effects on the formation of the Hebrew Scriptures.

418B. Apocryphal and Pseudepigraphal Literature of Ancient Israel

3(3-0) R: Not open to freshmen or sophomores.
Intellectual, literary, and cultural texts written between 300 BCE and 200 CE as they show the relationship between the Hebrew Scriptures and the New Testament.

418C. Early Christianity and Formative Judaism

Fall of even years. 3(3-0) R: Not open to freshmen or sophomores.
History, literature, and archaeology of ancient Palestine and the world of late classical antiquity as they relate to the formation of early Christianity and Judaism.

418D. Communication Theory and Practice in the Ancient Near East

Spring of even years. 3(3-0) R: Not open to freshmen or sophomores.
The structures and institutions of communication between gods and humans as they were understood in the Near East between 3000 BCE and 700 CE.

420. New Testament

Spring. 3(3-0) R: Not open to freshmen or sophomores.
The historical setting and types and meaning of the text of the New Testament explored through various techniques of historical, literary, and textual analysis.

431. Muhammad and the Qur'an

Spring of odd years. 3(3-0) R: Not open to freshmen or sophomores.
Life and contributions of the Prophet Muhammad. The Qur'an as a historical source. Origin, compilation, contents, and arrangements of the Qur'an. Forms of the Qur'an: recitation, scripture, calligraphy, theological concept.

440. Topics in South Asian Religions (MTC)

Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Not open to freshmen or sophomores.
Topics such as Hindu tantric mysticism or Buddhist philosophical schools.

470. Religious and Secular Cosmologies

Fall. 3(3-0) R: Not open to freshmen or sophomores.
Cosmological contents of religions. Religious questions raised by secular cosmologies. Perspectives from phenomenology and anthropology of religion.

471. The Ritual Process

Spring. 3(3-0) R: Not open to freshmen or sophomores
Definitions of ritual. Aspects of ritual, such as repetitiveness and drama. Generic forms of ritual including passage rites, renewal rites, liminality, sacrifice, taboo, and divination. Experience of ritual and its power to inform and transform the participant.

475. Anthropological Approaches to Religion

Fall. 3(3-0) R: Not open to freshmen or sophomores.
Religion and language as distinguishing human traits. The capacity to create symbols and the power of symbols. Early explanations of the origins of religion. Later functional appreciations of religion based on field studies. Leading theorists from different schools of religious studies.

480. Comparative Studies in Religion (MTC)

Fall, Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to freshmen or sophomores.
Multidisciplinary topics such as patterns in comparative religion, comparative mysticism, or comparative mythology.

490. Independent Study

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.
Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

491. Special Topics in Religious Studies

Fall, Spring. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.
Special topics supplementing regular course offerings, proposed by faculty on a group study basis.

499. Senior Thesis Research (W)

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: Completion of Tier I writing requirement. R: Approval of department.
Individual research project supervised by a faculty member that demonstrates the student's ability to do independent research and submit or present a major paper.

890. Independent Study

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.
Special projects, directed reading, and research arranged by an individual graduate student and a faculty member in areas supplementing regular course offerings.

RESOURCE DEVELOPMENT RD

Department of Resource Development College of Agriculture and Natural Resources

200. Issues and Applications in Resource Development

Fall, Spring. 3(3-0)
Interdisciplinary problem solving. Environmental and community development choices. Gender and environmental assessments. Minerals and laws.

201. Environmental and Natural Resources

Fall, Spring. 3(3-0)
Physical, economic, and institutional aspects of natural resource and environmental policy. US doctrines for land, water, mineral, and environmental resource management.

206. Natural Resource Data Analysis

Spring. 3(2-2). Interdepartmental with Forestry. Administered by Forestry. P: CSE 101 or CSE 131 or approval of department.
Quantitative analysis of natural resource data. Modeling and display of biophysical and socioeconomic data related to natural resource systems.
SA: FOR 207

207. Great Lakes: Biology and Management

Fall. 3(3-0) Interdepartmental with Fisheries and Wildlife. Administered by Fisheries and Wildlife.
Living aquatic resources of the Great Lakes: environmental history, biological resources and their management. Policy issues.

211. Introduction to Gender and Environmental Issues

Spring. 3(3-0) Interdepartmental with Fisheries and Wildlife; Forestry; Public Resource Management; and Women's Studies. Administered by Fisheries and Wildlife. R: Not open to freshmen.
The concept of gender. Overview of environment and habitat. Historical gender roles in environmental management. Gender-based theoretical perspectives. Case studies on developing and developed countries. Environmental management with emphasis on fisheries, wildlife and wetlands. Women environmental professionals.

300. Environmental Communication and Conflict Management (W)

Fall, Spring. 3(3-0) P: RD 200, ZOL 355 R: Open only to juniors or seniors in the Public Resource Management or Environmental Studies and Applications major. Completion of Tier I writing requirement.
Environmental risk communications. Mitigation and public forum management.
SA: AEE 310, RD 310

301. Federal and State Environmental Policy

Fall, Spring. 3(3-0) P: RD 200 R: Open only to sophomores or juniors or seniors in the Public Resource Management or Environmental Studies and Applications major.
Federal and state environmental policies and processes. Resource conservation and emergency planning. Federal resource laws and regulations.

302. Natural Resource Issues

Fall, Spring. 3(3-0) P: RD 200; EC 201 or 202 R: Open only to sophomores or juniors or seniors in the Public Resource Management or Environmental Studies and Applications major.
Analytical frameworks and concepts in resource development and use. Property rights. Market and non-market allocations. Stakeholder perspectives. Role of scholar-practitioner.

313. Grantwriting and Fund Development

Fall. 3(3-0) P: RD 200
Theoretical and practical background for proposal writing. Program and strategic planning. Fund-raising and institutional advancement.

314. Environmental Assessment of Land Uses

Fall. 3(3-0) P: RD 200
Environmental issues related to land-use. Environmental assessment for land-use decisions. Data acquisition and processing techniques. Spatial analysis methods.

315. Applications of Survey Research

Fall. 3(3-0) P: RD 200; STT 200.
Design and use of survey procedures in organizational, community and research settings.

316. Land Use and Natural Resource Management

Spring. 3(3-0) P: RD 200; EC 201 or EC 202
Natural resource and community issues associated with changes in land use. Adaptive planning and decision making for land use and natural resource management. Environmental and economic analysis. Consensus building and conflict management.

320. Resource Management and Planning

Fall. 3(3-0) P: RD 200; ZOL 355.
Concepts, principles, and objectives of management and planning. Population dynamics, resource demand, and impact and suitability assessment for sustainable development.

324. Water Resource Development

Spring. 3(3-0) P: RD 200
Interface between the hydrologic cycle and human factors, and resulting environmental consequences. Economic, administrative, policy, and political factors.

326. Introduction to Waste Management

Fall. 3(3-0) Interdepartmental with Fisheries and Wildlife. P: RD 200, RD 320.
Waste management definitions, techniques, technologies, and strategies. Integrative approach to waste management as an environmental, social, and political subject.

336. State Environmental Law

Spring. 3(3-0) P: RD 200, RD 320.
State-level legal and regulatory management of environmental issues. Environmental site assessment and auditing. Regulatory compliance. Permit process. Right-to-know. Land and water use regulation.

374. Leadership Skills for Resource Development Practice

Fall. 3(3-0) P: RD 200.
Concepts and techniques for resource development practitioners.

409. Forest Hydrology

Spring. 3(2-2) Interdepartmental with Forestry; and Crop and Soil Sciences. Administered by Forestry. P: CSS 210, MTH 116 R: Not open to freshmen or sophomores.
Science and technology of the hydrologic cycle and water resources in forest, wildland, wetland, and rural watersheds.

415. Introduction to Impact Assessment

Fall. 4(3-2) P: RD 200, STT 200, ZOL 355.
Environmental, social, and economic impact assessment. Risk analysis, technology assessment, project management, and data collection and use.

419. Applications of Geographic Information Systems to Natural Resources Management

Spring. 4(2-4) Interdepartmental with Fisheries and Wildlife; Forestry; Geography; Park, Recreation and Tourism Resources; and Biosystems Engineering. Administered by Fisheries and Wildlife. P: (GEO 221)
The application of geographic information systems, remote sensing, and global positioning systems to integrated planning and management for fish, wildlife, and related resources.

426. Waste Management Planning

Fall. 3(2-2) P: RD 200, RD 326.
Assessment of procedures and techniques. Alternative solutions are explored through simulation. Technological and public policy issues explored by using a computer model. Design of implementation strategies.

430. Law and Resources

Fall. 3(3-0) Interdepartmental with Forestry; and Public Resource Management. P: RD 200; EC 201 or GBL 395.
Legal principles applied to natural resource use. Sovereignty, property rights, land and water use, jurisdiction, public trust doctrine, fish and game law, mineral rights, and eminent domain. Case and statutory law analysis.

433. Law and Social Change

Spring. 3(3-0) Interdepartmental with Public Resource Management; and Sociology. P: GBL 395. R: Not open to freshmen.
Function of law in a modern society. Concepts of power, public regulation, civil rights, and property rights. Limits on freedom.

440. The Resource Development Policy Process in Michigan

Spring. 3(3-0) Interdepartmental with Public Resource Management. P: RD 200; PRM 201 or PLS 100 or PLS 301 or PLS 324.
Public policy formation related to environmental and economic development issues at state and community levels. Observation and analysis of actual proceedings. Field trips required.

442. Concepts of Biological Information Systems

Spring. 3 credits. Interdepartmental with Entomology. Administered by Entomology. R: Open only to seniors and graduate students.
Systems approach to managing biological information using computer technology.

444. Pesticides, People and Politics

Fall. 3(3-0) P: Completion of Tier I writing requirement. One course in a biological or physical or social science.
Comparative state, national, and international policy issues and politics related to pesticide regulations and use in industrialized and non-industrialized countries.

446. Environmental Issues and Public Policy

Spring. 3(3-0) Interdepartmental with Zoology. Administered by Zoology. R: Not open to freshmen or sophomores.
The interrelationship of science and public policy in resolving environmental issues. Technical, social, economic, and legal influences. Case study approach.

460. Resource and Environmental Economics

Spring. 3(3-0) Interdepartmental with Public Resource Management; Park, Recreation and Tourism Resources; and Biosystems Engineering. P: RD 200; EC 201 or EC 202 or PRM 201 or RD 302.
Economics of land and related environmental resources. Production and consumption processes. Resource allocations and scarcity. Market failure and externalities. Market and institutional remedial approaches.

461. Regional Economics

Fall. 4(3-2) Interdepartmental with Economics; Public Resource Management. P: RD 200; EC 201 or RD 460. R: Not open to freshmen or sophomores.
Location decisions of firms and households. Relevant government policies. Applications of regional analysis to industrial, regional, and community development.

Descriptions—Resource Development of Courses

464. Natural Resource Economics and Social Science (W)

Fall. 3(2-2) Interdepartmental with Forestry; Fisheries and Wildlife; and Park, Recreation and Tourism Resources. Administered by Forestry. P: EC 201 or EC 202. R: Not open to freshmen and sophomores. Completion of Tier I writing requirement.

Application of economic and social science principles and techniques to production and consumption of natural resources. Benefit-cost analysis. Regional impact analysis. Social impact assessment.

465. Ecological Risk Assessment

Spring. 3(3-0) Interdepartmental with Fisheries and Wildlife. Administered by Fisheries and Wildlife. P: (CEM 143 or CEM 251) and (ZOL 355) and (FW 324 or STT 200 or STT 201)

Ecotoxicology. Monitoring and modeling the fate of toxins in ecosystems. Dose response relationships. State and federal regulations related to environmental contaminants.

466. Natural Resources Planning and Policy

Spring. 3(2-2) Interdepartmental with Forestry; Fisheries and Wildlife; and Park, Recreation and Tourism Resources. Administered by Forestry. R: Open only to seniors or graduate students in the Department of Forestry or Department of Fisheries and Wildlife or Department of Park, Recreation and Tourism Resources or Department of Resource Development.

Scientific, environmental, social, and institutional factors affecting planning and policy-making. Focus on ecosystem-based planning and policy issues through development of a multiple-use plan. Case studies.

470. Theory and Practice in Community and Economic Development

Fall. 3 credits. Interdepartmental with Public Resource Management; and Sociology. P: EC 201 or EC 202; RD 200 or approval of department.

Concepts, principles, models, and skills for community and economic development. Community participation in local development initiatives.

490. Independent Study

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Not open to freshmen and sophomores. Approval of department. Application required.

Individual supervised study of selected topics.

491. Special Topics in Resource Development

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Not open to freshmen and sophomores.

Selected issues in resource development derived from current resource policy changes, or other emerging topics of interest.

493. Professional Internship in Resource Development

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to juniors or seniors in the Department of Resource Development. Approval of department; application required. A student may earn a maximum of 6 credits in the following courses: AEE 493, ANR 493, ANS 493, FW 493, PKG 493, PRM 493, PRR 493, and RD 493.

Supervised professional experiences in agencies and businesses related to resource development.

495. Senior Seminar

Spring. 2(2-0) P: RD 200, RD 460. R: Open only to seniors in the Environmental Studies and Applications major.

Examples and practice in directing change and resolving issues by anticipating resource problems. Analysis and application of policy alternatives. Preparation of position papers.

499. Senior Thesis Research

Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to seniors in the Department of Resource Development.

Supervised research option for satisfying capstone experience requirement.

801. Resource Development Policy

Fall. 3(3-0)

Environmental policies and programs affecting resource development. Institutional arrangements and the role of market and non-market approaches. Case studies from different societies.

802. Organizational Issues in Resource Development

Spring. 3(3-0)

Application of organizational models to management and leadership issues in natural resource, environmental, and community development agencies.

803. Research Processes in Natural Resources

Fall. 3(3-0) Interdepartmental with Forestry.

Research planning and implementation. Structure of research organizations. Applications of research results.

810. Institutional and Behavioral Economics

Fall. 3(3-0) Interdepartmental with Agricultural Economics; Economics. Administered by Agricultural Economics.

Relationships among institutions, individual and collective actions, and economic performance. Public choice, property rights, and behavioral theories of firms and bureaucracies.

824. Watershed Management

Spring. 3(3-0) P: RD 324 or approval of department.

Dynamics of physical, social, economic, political and institutional forces applied to watershed planning and management.

825. Planning for Sustainable Development

Fall. 3(3-0) P: RD 460 or approval of department. Land resource evaluation and impact assessment for rural development planning and policy analysis. Concepts, principles, and indicators of sustainable development. Systems approaches and applied models in resource assessment. Case studies.

826. International Development and Sustainability

Summer. 3(3-0) Interdepartmental with Anthropology; Political Science; Forestry; and Social Science.

Environmental, economic, political, legal, management, and cultural components of sustainable development.

828. Attitudes, Behavior and Environmental Sustainability

Spring. 3(3-0)

Environmental quality as affected by personal and collective behavior. Underlying social values and impact of collective attitudes on public policy.

829. The Economics of Environmental Resources

Fall. 3(3-0) Interdepartmental with Agricultural Economics; Economics; Forestry; and Park, Recreation and Tourism Resources. Administered by Agricultural Economics.

Economic principles related to environmental conflicts and public policy alternatives. Applications to water quality, land use, conservation, development, and global environmental issues.

831. Role of the Expert Witness

Spring of even years. 3(3-0)

Rules of procedure regarding pretrial discovery and the rules of evidence including depositions, use of tests and experiments, and issues involving hearsay.

832. Environmental and Natural Resource Law

Fall. 3(3-0) Interdepartmental with Agricultural Economics; Crop and Soil Sciences; Forestry; and Geography. P: RD 430.

Origin and development of environmental law. Theories of power, jurisdiction, sovereignty, property interests, pollution, and other bases for legal controls of natural resources. Common law and constitutional limitations on governmental power.

836. Legal Aspects of Environmental Regulation

Fall. 3(3-0) P: RD 415 or approval of department.

Administrative law. National Environmental Policy Act. Air and water pollution. Toxic substances. Case studies.

837. Water Law

Spring. 3(3-0) Interdepartmental with Agricultural Economics; and Forestry. P: RD 430.

Legal principles applicable to surface water and groundwater, private and public water rights, and controls over water resources. Cases, statutes, and administrative procedures.

838. Land Use Law
Spring. 3(3-0) Interdepartmental with Agricultural Economics; Forestry; and Urban Planning. P: RD 430.

Public and private land use controls in the U.S. Civil rights, housing, energy problems, growth management, waste management, and land conservation. Cases, statutes and other regulations. SA: RD 834

843. Comparative Resource and Environmental Policy

Spring. 3(3-0) P: RD 801, RD 802.

Comparisons of natural resource and environmental policies in industrialized and nonindustrialized societies. Roles of differing social, legal, and political systems.

852. Systems Modeling and Simulation
Fall of even years. 3(3-0) Interdepartmental with Fisheries and Wildlife; Biosystems Engineering; and Forestry. Administered by Fisheries and Wildlife. P: STT 422 or STT 442 or STT 464 or GEO 463.

General systems theory and concepts. Modeling and simulation methods. Applications of systems approach and techniques to natural resource management, and to ecological and agricultural research.

853. Applied Systems Modeling and Simulation for Natural Resource Management

Spring of odd years. 3(2-2) Interdepartmental with Fisheries and Wildlife; Biosystems Engineering; Forestry; and Zoology. Administered by Fisheries and Wildlife. P: FW 820 or BE 486 or ZOL 851 or approval of department. R: Open only to seniors and graduate students

Mathematical models for evaluating resource management strategies. Stochastic and deterministic simulation for optimization. System control structures. Team modelling approach.

862. Farming Systems and Rural Development

Fall of odd years. 3(3-0) Interdepartmental with Sociology. Administered by Sociology. R: Open only to graduate students in the departments of Sociology and Resource Development.

Farming systems research and its place in rural development strategies. Sociological and resource analysis of small scale family farming systems.

866. Economics of Renewable Resources

Spring of odd years. 3(2-2) Interdepartmental with Forestry. Administered by Forestry. P: AEC 829 or EC 803 or EC 805

Applications of economic theory and analysis to renewable natural resources problems. Focus on renewable resource interactions, including multiple-use forestry and agroforestry.

867. Methods and Modeling in Regional Science

Spring of even years. 3(3-0) Interdepartmental with Geography; and Urban Planning. Administered by Geography. P: EC 820, GEO 865; GEO 415 or RD 461.

Techniques for regional research: economic base analysis, input-output analysis, mathematical programming, and econometric and simulation analysis.

870. Community Resource Development

Fall. 3(3-0)

Concepts, models, and strategies. Design and implementation of change in community settings.

871. Leadership Development in Communities and Organizations

Spring of odd years. 3(3-0) P: RD 802 or RD 870.

Community leadership development concepts and models. Leadership effectiveness.

874. Management of Nonprofit Organizations

Fall. 3(3-0)

Managing nonprofit organizations. Role of nonprofit organizations in the economy. Legal requirements for operation. Managing volunteers. Roles and functions of boards. Fund raising and marketing. Human resource strategies.

876. International Rural Community Development

Fall. 3(3-0)

Rural community resource development in Africa, Asia, Europe and the Americas. Theories of development, learning, participation, and program development. Evaluation strategies. Case studies.

878. Administration of International Development

Spring. 3(3-0)

Theory and practice of rural development in different societies. Description and analysis of planning, organizing, staffing, directing, and financial management.

890. Independent Study

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department.

Individual study of selected topics under faculty supervision.

891. Selected Topics

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department.

Selected topics on current innovations or emerging issues in resource development.

898. Master's Research

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. R: Open only to master's students in Resource Development.

Master's degree Plan B research paper.

899. Master's Thesis Research

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to master's students in Resource Development.

923. Advanced Environmental and Resource Economics

Spring of even years. 3(3-0) Interdepartmental with Agricultural Economics; Economics; Forestry; and Park, Recreation and Tourism Resources. Administered by Agricultural Economics. P: (AEC 829 and EC 805)

Advanced economic theory of environmental management and policy. Treatment of externalities and market and non-market approaches to environmental improvement. Topics in conservation and sustainable economic growth. Applications to research and policy.

925. Environmental and Resource Economics Research

Spring of odd years. 3(3-0) Interdepartmental with Agricultural Economics; Forestry; Park, Recreation and Tourism Resources; and Economics. Administered by Agricultural Economics. P: (AEC 829 and EC 805)

Topics such as contingent or non-market valuation, institutional analysis, pollution prevention, environmental quality and location, recreational demand modeling, and environmental risk management. Research process in environmental and resource economics. SA: AEC 991H

999. Doctoral Dissertation Research

Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to Ph.D. students in Resource Development.

ROMANCE LANGUAGES ROM

**Department of Romance Languages
College of Arts and Letters**

241. Classical and Romance Literature in English Translation

Fall. 4(4-0)

Major works of ancient Greek and Latin literatures and of French, Italian, and Spanish medieval and Renaissance literatures. Guest lectures by specialists on the various works.

242. Romance Literatures in English Translation

Spring. 4(4-0)

Major works of French, Italian, Portuguese, and Hispanic literatures from the seventeenth century to the present. Guest lectures by specialists on the various works.

350. Contemporary Romance Film

Spring of odd years. 4(2-4) R: Not open to freshmen.

An appraisal of the work of preeminent filmmakers of the romance languages and their contributions to contemporary film.