

462. Agricultural Development in Less Developed Countries

Fall. 3(3-0) Interdepartmental with Food Systems Economics and Management. Administered by Food Systems Economics and Management. P: EC 201; PRM 260 recommended. R: Not open to freshmen and sophomores.

Factors responsible for agricultural growth, as well as technical and institutional change. Sustainable strategies for increasing food production and rural incomes.

470. Theory and Practice in Community and Economic Development

Fall. 3 credits. Interdepartmental with Resource Development; Sociology. Administered by Resource Development. 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 and Supervised Study

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 7 credits in all enrollments for this course. P: PRM 201, PRM 320. R: Open only to Public Resource Management majors. Approval of department; application required.

In-depth independent study of topics affecting public resource management. Complimentary with previous coursework, adapted to career aspirations.

493. Professional Internship in Public Resource Management

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: (PRM 201) R: Open only to juniors or seniors in the Public Resource Management major. 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 experience in agencies and businesses related to public resource management.

RADIOLOGY RAD

**Department of Radiology
College of Human Medicine
College of Osteopathic Medicine**

552. Medical Neuroscience

Spring. 4(3-2) Interdepartmental with Anatomy; and Physiology. Administered by Anatomy. R: Graduate-professional students in colleges of Human and Osteopathic Medicine.

Correlation of normal structure and function of the human nervous system with clinical testing, classical lesions, and common diseases.

553. Introduction to Radiology

Spring. 1(1-0) R: Graduate-professional students in colleges of Human Medicine and Osteopathic Medicine or approval of department.

Principles of medical diagnostic radiology: means of generating diagnostic images, and anatomical and physiological changes that result in such images.

590. Independent Study

Fall, Spring, Summer. 1 to 3 credits. R: Approval of department.

Special aspects of radiology. Imaging as a diagnostic tool in patient management.

609. Radiology Clerkship

Fall, Spring, Summer. 4 to 8 credits. A student may earn a maximum of 32 credits in all enrollments for this course. R: Completion of two years of graduate-professional program in College of Human Medicine or College of Osteopathic Medicine.

Diagnostic imaging consultation. Participation in image interpretation and observation in hospital or out-patient radiology setting.

RELIGIOUS STUDIES REL

**Department of Religious Studies
College of Arts and Letters**

101. Exploring Religion

Fall, Spring. 3 credits.

Religion and religions as historical phenomena. Non-textual and textual religions. Theories of the origins and functions of religion. Exemplary voices from various traditions examined in their historical and doctrinal settings.

205. Myth, Self, and Religion

Fall, Spring. 3(3-0)

The mythic quest for meaning, identity, value, and transcendence as seen through religious biography and literary narrative. Myth in relation to religious symbols and life-cycle rituals. Cross-cultural perspective on religious world views and the interpretation of myth as sacred narrative.

210. Religion and Media

Fall. 4 credits.

Portrayal of religion by the media in cultures around the world. Use of the media to promote religious beliefs. Examples from documentary film, television, print media and the internet.

220. American Religious History

Fall. 3(3-0)

History, themes and issues in U.S. religions from precolonial times to the present.

230. Shamanism, Trance and Sacred Journeys

Fall. 3(3-0)

Shamanic practice in different cultural and religious contexts. Ecstatic, cosmological, and performative dimensions. Healing, sacred knowledge, spiritual journeys, sacred space, presence in world religions, patterns of pilgrimage, theoretical debates regarding shamanism.

240. The Hindu Yoga Traditions

Fall of even years. 3(3-0)

Thought and practices (religious, philosophical, psychological, and social) of the Indian discipline known as Yoga. Yogic systems of the ancient and modern Hindu world.

290. 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.

306. Native American Religions

Spring. 3(3-0) R: Not open to freshmen

Indigenous forms of spirituality among the Native American peoples. Materials from myth, ritual, ceremonial life, and art as ways of obtaining and sharing religious knowledge. Pervasive spiritual and cosmological themes.

310. Judaism

Fall. 4(4-0) R: Not open to freshmen.

Jewish life, thought, and institutions. Jewish calendar. Second Temple and Rabbinic periods. Talmud and Midrash. Jewish life in Europe and America. Hasidic, Reform, Orthodox, and Conservative movements. Anti-Semitism, Zionism, and the Holocaust. Current issues.

320. Christianity

Spring. 3(3-0) R: Not open to freshmen.

Origins and historical development of Christianity. Rituals, institutional forms (Eastern Orthodox, Catholic, Protestant). Monastic and mendicant movements. Major doctrines and their development. Contemporary status and role.

330. Islam

Spring. 4(4-0) R: Not open to freshmen.

Islam from the time of Muhammad to the present. Pre-modern developments: life of Muhammad. Qur'an, Hadith, Islamic law. Sunnis, Shites, sects and their rituals. Unity and diversity. Modern movements and trends.

340. Hinduism

Fall. 4(4-0) R: Not open to freshmen.

Historical, philosophical and doctrinal development. Vedic Sacrifice, Upanishads, devotional Vashnavism, Yoga and meditation, Tantric and medieval forms, ritual and temple forms. Modern syncretism and interaction with Western world views.

350. Buddhism in South Asia

Spring. 3(3-0) R: Not open to freshmen.

Early origins of Buddhism. Life of the Buddha. Formulation of the Samgha. Pali canon. Three turnings of the Wheel of the Law. Monastic developments vs. lay Buddhism. Buddhist meditation practices.

355. Southeast Asian Religions

Fall. 3(3-0) R: Not open to freshmen.

Southeast Asia as a religious and cultural crossroads. The historic mix of Hinduism, Buddhism, Islam, Christianity, and Chinese religions. Diversity of indigenous animistic religions. Past and present relations between religions and the state.

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.