498H Development of Research Proposal
Fall, Spring, Summer. 3(0-6) R: Approval of department.

Independent research with faculty supervision. Literature survey, naturalistic observation, and experimental investigation. Preparation of the proposal for the Senior Honors Thesis.

499H Senior Honors Thesis
Fall, Spring, Summer. 3(0-6) P:M (PSY 498H) R: Approval of department.
Continuation of independent research with faculty supervision. Completion of senior honor thesis.

RADIOLoGY
RAD

Department of Radiology
College of Human Medicine

401 Quantitative Human Biology
Spring. 3(4-0) Interdepartmental with Biomedical Engineering; Materials Science and Engineering; Human Anatomy. Administered by College of Engineering. P:M (MTH 235 and PHY 184) and (PSL 250 or concurrently or PSL 431 or concurrently) and (CEM 141 or CEM 151) and (ANTR 350 or concurrently) RB: (CSE 131 or concurrently or PSL 231 or concurrently or PSL 410)

Qualitative description and quantitative engineering analysis of selected, tractable human-biological systems. Multi-disciplinary problem-solving among medical and engineering professionals.

RELIGIOUS STUDIES

Department of Religious Studies
College of Arts and Letters

101 Exploring Religion
Fall, Spring. 3(0-3)

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 myths 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 Religion in America
Fall. 3(3-0)
History, themes and issues of religions in America 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 of 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.

275 Magic and Mysticism: Western Esoteric Traditions and Practices
Fall. 3(3-0)
Survey the history of Western esoteric traditions in Europe, England and North America including alchemy, magic, Jewish and Christian mysticisms, and secret or semiretreat groups like Freemasonry. Transdisciplinary investigation of religion, science, literature, art and history.

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.

296 Native American Religions
Spring. 3(3-0) R: Not open to freshmen.

Indigenous forms of spirituality among the Native American peoples. Material 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.


315 Religion and Gender
Spring of even years, 3(3-0)
The relationship between religion and gender viewed through foundational sacred texts and historical interpreters that define gender, sexuality, the body, the divine. Contemporary responses to the relationship between religion and gender through ritual, liturgy, new religious movements, and feminist theology.

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


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


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

Historical, philosophical and doctrinal development. Vedic Sacrifice, Upanishads, devotional Vasistha, 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.


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.

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.

370 The End of the World in America
Spring. 3(3-0)

Examination of the ways in which Americans have anticipated the end of the world. Focus on millennial desires and anxieties within a larger theoretical and historical context. Sacred text, utopian ventures, prophecy, new religious movements, cultural constructions of endtimes theology.

410 Hebrew Bible/Old Testament
Fall, Spring. 3(0-3)

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.

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.


REL—Religious Studies
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.

207 Great Lakes: Biology and Management
Fall. 3(3-0) Interdepartmental with Fisheries and Wildlife. Administered by Department of 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; Environmental Economics and Policy; Women's Studies. Administered by Department of Fisheries and Wildlife. R: Not open to freshmen. SA: PRM 211

300 Environmental Conflict Management (W)
Fall. 3(3-0) P:M: Completion of Tier I writing requirement. SA: AEE 310, RD 310
Alternative dispute resolution and environmental conflicts.

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

302 Natural Resource Issues
Spring. 3(3-0) P:M: (EC 201 or EC 202) RB: (RD 200) R: Open only to sophomores or juniors or seniors in the Environmental Economics and Policy or Environmental Studies and Applications majors.

313 Grantwriting and Fund Development
Fall. 3(3-0)
Theoretical and practical background for proposal writing. Program and strategic planning. Fundraising and institutional advancement.

314 Environmental Assessment of Land Uses
Fall. 3(3-0) RB: (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) R: Open only to juniors or seniors.
Design and use of survey procedures in organizational, community and research settings.

316 Land Use and Natural Resource Management
Spring. 3(3-0) RB: (RD 200)

320 Resource Management and Planning
Fall. 3(3-0) RB: (RD 200)

324 Water Resource Management
Spring. 3(3-0) P:M: (BS 110)
Biophysical, community and institutional components of comprehensive water resources management. Biophysical and social processes that control the quality and quantity of aquatic resources at the watershed level.

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

415 Environmental Impact Assessment
Fall. 4(3-2) P:M: (ZOL 355 or concurrently) Environmental impact assessment of proposed projects and plans. Regulatory frameworks and project management. Multi-disciplinary project-based laboratory including field work.

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; Biosystems Engineering. Administered by Department of Fisheries and Wildlife. RB: (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.

430 Law and Resources
Fall. 3(3-0) Interdepartmental with Forestry; Environmental Economics and Policy. R: Open only to juniors or seniors or graduate students. SA: PRM 430
Legal principles applied to the environment and natural resources. Sovereignty, property rights, land and water use, jurisdiction, public trust doctrine, wetland law, and eminent domain. Case and statutory law analysis.

433 Law and Social Change
Spring. 3(3-0) Interdepartmental with Environmental Economics and Policy; Sociology. RB: (RD 301 or RD 336 or GBL 395) R: Open only to juniors or seniors. SA: PRM 433
Function of law in a modern society. Concepts of power, public regulation, civil rights, and property rights. Limits on freedom.