

**241B. Creative Arts and Humanities:
Philosophy in Literature**
Spring. 4(4-0)

P: IAH 201.
Philosophy and literature, relationships to each other and to societies in which they were produced. Themes such as the meaning of life, God and the problem of evil, and the nature of knowledge. Authors such as Voltaire, Dostoevsky, Wright, and Atwood examined from a variety of perspectives.

**241C. Creative Arts and Humanities:
Cultural and Artistic Traditions of
Europe**
Fall, Spring. 4(4-0)

P: IAH 201.
European artistic and cultural movements and styles, introduced through works of art, music, literature, philosophy and religion. Presented in historical context. Specific eras and works variable by term.

**241D. Creative Arts and Humanities:
Theater and Society in the West**
Spring. 4(4-0)

P: IAH 201.
Artistic creativity seen through the prism of theater. Presented in historical context. Influences from art, literature, music, and religion. Focus on translation of social visions into dramatic art. Plays and themes variable by term.

**241E. Creative Arts and Humanities: The
Creative Process**
Spring of odd-numbered years. 4(4-0)

P: IAH 201.
Philosophical, religious and historical foundations for understanding the process of creation in visual arts, theatre, music and literature. Variations across eras and societies.

**241F. Creative Arts and Humanities:
Traditions in World Art (I)**
Fall. 4(4-0)

P: IAH 201.
Aesthetic qualities of painting, sculpture and architecture within historical contexts across major civilizations. Visual forms in relation to belief systems and musical and literary traditions.

**INTEGRATIVE STUDIES
IN BIOLOGICAL
SCIENCE**

ISB

College Of Natural Science

200. History of Life
Fall, Spring, Summer. 3(3-0)

P: Completion of the University mathematics requirement.
Life from its origin to the dawn of human history. Living things as both the products of evolutionary processes and as a major force driving evolution and altering the environment of planet earth.
QP: MTH 109 or MTH 111 *QA:* ICS 101, NS 125, NS 1824

**202. Applications of Environmental and
Organismal Biology**
Fall, Spring, Summer. 3(3-0)

P: Completion of the University mathematics requirement.
Historical and recent development of ideas about behavior, ecological, and evolutionary processes. Critical evaluation of the use and misuse of human understanding of nature, emphasizing recent findings.
QP: MTH 109 or MTH 111 *QA:* ICS 121, NS 142

**202L. Applications of Environmental and
Organismal Biology Laboratory**
Fall, Spring, Summer. 1(0-2)

C: ISB 202
Problem solving activities based on observation and the analysis of empirically derived data from environmental and organismal biology.

204. Applications of Biomedical Sciences
Fall, Spring, Summer. 3(3-0)

P: Completion of University mathematics requirement.
Historical and recent development of knowledge about cellular developmental or genetic processes. Critical evaluation of the use and misuse of scientific discoveries in these areas.
QP: MTH 109 or MTH 111 *QA:* ICS 120

**204L. Applications of Biomedical Science
Laboratory**
Fall, Spring, Summer. 1(0-2)

C: ISB 204
Problem solving activities based on observation and interpretation of selected biological systems in relation to medical science.

206H. Human Biology and Society
Fall, Spring. 3(3-0)

P: Completion of University mathematics requirement.
Conceptual and technological advances in biology. Ethical, legal, social and economic issues which accompany these advances.
QP: MTH 109 or MTH 111

**INTEGRATIVE STUDIES
IN PHYSICAL SCIENCE**

ISP

College Of Natural Science

**201. Concepts of Reality through Physical
Science**
Fall, Spring, Summer. 3(3-0)

P: Completion of University mathematics requirement.
Historical and recent development of our understanding of the physical world. Selected topics from the physical sciences, their relationship to one another and to other areas of culture.
QP: MTH 109 or MTH 111 *QA:* NS 135, NS 155, NS 152

**201L. Concepts of Reality through Physical
Science Laboratory**
Fall, Spring, Summer. 1(0-2)

C: ISP 201
Problem solving activities based on observation and interpretation of selected physical systems.
QA: NS 135, NS 155

203. Geology of the Human Environment
Fall, Spring, Summer. 3(3-0)

P: Completion of University mathematics requirement.
The scientific method in geological studies: its impact on the human environment and history, and on cultural, social, philosophical, and political decisions.
QP: MTH 109 or MTH 111 *QA:* GLG 200, GLG 201, GLG 306

**203L. Geology of the Human Environment
Laboratory**
Fall, Spring, Summer. 1(0-2)

C: ISP 203
Exercises in the scientific method applied to earth materials and their impact on society.
QA: GLG 200, GLG 201, GLG 306

205. Visions of the Universe
Fall, Spring, Summer. 3(3-0)

P: Completion of University mathematics requirement.
C: ISP 205L.
Role of observation, theory, philosophy, and technology in the development of the modern conception of the universe. The Copernican Revolution. Birth and death of stars. Spaceship Earth. Cosmology and time.
QP: MTH 109 or MTH 111 *QA:* AST 119, AST 217, AST 229, NS 135, NS 155, NS 1834

205L. Visions of the Universe Laboratory
Fall, Spring, Summer. 1(0-2)

C: ISP 205
Observations of the sky, laboratory experiments, and computer simulations exploring the development of the modern conception of the universe.
QA: AST 119, AST 217

207. World of Chemistry
Fall, Spring, Summer. 3(3-0)

P: Completion of University mathematics requirement.
The language, concepts, models and techniques of chemical science, including atomic theory; nuclear energy; acids; chemicals in air, water, food and biological systems.
QP: MTH 109 or MTH 111

207L. World of Chemistry Laboratory
Fall, Spring, Summer. 1(0-2)

C: ISP 207
Chemical combinations and reactivity with respect to such materials as acids, bases, dyes, foods, and detergents.

209. Physics of the World Around Us
Fall, Spring, Summer. 3(3-0)

P: Completion of University mathematics requirement.
Laws of physics through demonstrations and analyses of every day phenomena. Optics, mechanical systems and electromagnetic phenomena.
QP: MTH 109 or MTH 111

**209L. Physics of the World Around Us
Laboratory**
Fall, Spring, Summer. 1(0-2)

C: ISP 209
Physical phenomena: optics, mechanical systems and electromagnetics.

211. The Structure of Matter
Fall, Spring, Summer. 3(3-0)

P: Completion of University mathematics requirement.
Historical and recent development of knowledge about and models of the fundamental structures of all matter. Physical laws governing the structure of matter.
QP: MTH 109 or MTH 111 *QA:* PHY 205

**INTEGRATIVE STUDIES
IN SOCIAL, BEHAVIORAL,
AND ECONOMIC
SCIENCES**

ISS

College Of Social Science

210. Society and the Individual (D)
Fall, Spring, Summer. 4(4-0)

Evolution of human behavior with an emphasis on the individual and society. Family and kinship, social organizations. Societal types, personality, and the life cycle.
QA: S S 201, S S 211, SOC 150

**215. Social Differentiation and Inequality
(D)**
Fall, Spring, Summer. 4(4-0)

Types, causes and consequences of stratification in human societies. Age, class, gender, race and other factors which define social position. Education, occupation, political economy.

**220. Time, Space and Change in Human
Society (D)**
Fall, Spring, Summer. 4(4-0)

Evolutionary, ecological, and spatial theories of adaptation and change. Cultural evolution from prehistoric foraging to the post-industrial age. Continuity and change in the emergence and development of contemporary ways of life.
QA: ANP 250

225. Power, Authority, and Exchange (D)
Fall, Spring, Summer. 4(4-0)

Power, authority, and exchange in organizing societies. Costs and limitations of power. Institutionalization of authority. Systems of exchange: planned vs. market economies.
QA: S S 202

310. People and Environment (I)
Fall, Spring, Summer. 4(4-0)

P: One 200-level ISS course.
Contemporary issues related to the interaction of socio-cultural and ecological systems. Global, regional, national and local environmental problems and responses.
QA: GEO 100