

## Integrative Management–PIM

**855 Strategic Management**  
Fall. 3(3-0) R: Open only to MBA students in the Program in Integrative Management.

Determination of the strategic direction of the firm in a global, complex, and volatile environment. Analysis of the management of strategic actions and processes within and across firm boundaries. Integration of environmental factors and organizational functions in the analysis of management problems.

**862 Customer and Competitor Analysis**  
Spring. 1.5(1.5-0) P:NM: (PIM 861) R: Open only to MBA students in the Program in Integrative Management.

Assessment of consumer and organizational buying behavior processes and competitive environments. Competitive strategies and customers' needs, wants, motivations, and behaviors throughout the value-added chain. Application of course concepts to work environment.

**863 Marketing Systems**  
Fall. 1.5(1.5-0) R: Open only to MBA students in the Program in Integrative Management.

Marketing decision making within global, customer, economic, ecological, and competitive environments. Gathering and analyzing marketing information. Developing strategies to guide the organization and operational market plans. Application of course concepts to work environment.

**870 Supply Chain Management**  
Fall. 1.5(1.5-0) R: Open only to MBA students in the Program in Integrative Management.

Development of strategies within the supply chain. Interrelationships among purchasing, manufacturing, operations, and logistics management to enhance economic competitiveness. Application of course concepts to work environment.

**871 Change and Innovation**  
Summer. 3(3-0) R: Open only to MBA students in the Program in Integrative Management.

Analytic, decision making, and planning concepts and tools for development of new innovative products and services. Management of technology within changing processes and global environments.

**872 International Business**  
Fall. 3(3-0) R: Open only to MBA students in the Program in Integrative Management.

International, comparative, and cross-cultural perspectives in business. Markets and implications for managers. Global opportunity assessment, currency risk, and operational considerations.

**873 Cross-Functional Management Issues (MTC)**

Fall, Spring, Summer. 1.5 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to MBA students in the Program in Integrative Management.

Cross-functional analysis of a topic in business such as total quality management, quality of work life, global management, impacts of new manufacturing technologies, negotiations, or management of change.

**874 The Global Marketplace**  
Summer. 3(3-0) R: Open only to MBA students in the Program in Integrative Management.

Commercial, economic, cultural, and political aspects of global environments. Exposure to leading executives and government representatives of major trading partners. Develop a comparative framework for competitive strategy in a multi-country context. Field trip required.

## INTEGRATIVE STUDIES IN ARTS AND HUMANITIES

IAH

### Center for Integrative Studies in Arts and Humanities College of Arts and Letters

**201 United States and the World (D)**  
Fall, Spring. 4(4-0) P:M: Completion of Tier I writing requirement. P:NM: Designated score on English placement test. R: Concurrent registration in AL 201 (Writing Tutorial) required for students receiving 1.0 or 1.5 in Tier I writing course.

Major issues in development of US society and culture, presented in international and comparative context. Influences from native Americans, Europeans, Africans, and Asians. Organized historically, with thematic emphasis on literature and the arts.

**202 Europe and the World (I)**  
Fall, Spring, Summer. 4(4-0) P:M: Completion of Tier I writing requirement. P:NM: Designated score on English placement test. R: Open only to undergraduate students. Concurrent registration in AL 201 (Writing Tutorial) is required for students receiving 1.0 or 1.5 in Tier I course. Not open to students with credit in IAH 201 or IAH 206.

Cultural encounters and political relationships between Europeans and people(s) from other regions of the world since 1500 as shown through study of written texts, literature, the visual arts, music, and other forms of expression. Examples from Europe and several continents.

**206 Self, Society, and Technology (D)**  
Fall, Spring. 4(4-0) P:M: Completion of Tier I writing requirement. P:NM: Designated score on English placement test. R: Open only to undergraduate students. Concurrent registration in AL 201 (Writing Tutorial) is required for students receiving 1.0 or 1.5 in Tier I course. Not open to students with credit in IAH 201 or IAH 202.

Exploration of how technology affects and is affected by our conceptions of ourselves, relations with others, and our ideals. Approaches and materials from philosophy, literature, art, music, and history as well as the natural sciences.

**211A Area Studies and Multicultural Civilizations: Africa (I)**  
Spring. 4(4-0) P:M: (IAH 201 or IAH 202 or IAH 206)

Arts and humanities of Africa: literature, art, music, religion and philosophy presented in historical context. Selected regions, cultures, and themes. Variable by term.

**211B Area Studies and Multicultural Civilizations: Asia (I)**  
Fall, Spring. 4(4-0) P:M: (IAH 201 or IAH 202 or IAH 206)

Arts and humanities of Asia: literature, visual arts, music, religion and philosophy presented in historical context. Selected regions, cultures, and themes. Variable by term.

**211C Area Studies and Multicultural Civilizations: The Americas (D)**  
Fall, Spring. 4(4-0) P:M: (IAH 201 or IAH 202 or IAH 206)

Arts and humanities of the Americas: literature, visual arts, music, religion and philosophy presented in historical context. Selected regions, cultures, and themes. Variable by term.

**211D Area Studies and Multicultural Civilizations: The Middle East (I)**  
Fall. 4(4-0) P:M: (IAH 201 or IAH 202 or IAH 206)

Arts and humanities of the Middle East: literature, visual arts, music, religion and philosophy presented in historical context. Themes variable by term.

**221A Great Ages: The Ancient World (I)**  
Fall, Spring. 4(4-0) P:M: (IAH 201 or IAH 202 or IAH 206)

Arts and humanities of the ancient world examined through the frame of urban and intellectual life. Literature, visual arts, music, religion and philosophy presented in historical context. Selected regions and themes, variable by term.

**221B Great Ages: The European Renaissance**  
Fall of odd years. 4(4-0) P:M: (IAH 201 or IAH 202 or IAH 206)

Arts and humanities of Renaissance Europe: literature, visual arts, music, religion and philosophy presented in historical context. Selected themes, variable by term.

**221C Great Ages: The Modern World (I)**  
Fall, Spring. 4(4-0) P:M: (IAH 201 or IAH 202 or IAH 206)

Arts and humanities of the modern world, examined through the frame of urban and intellectual life. Literature, visual arts, music, religion and philosophy presented in historical context. Selected regions and themes. Variable by term.

**231A Themes and Issues: Human Values and the Arts and Humanities**  
Fall, Spring. 4(4-0) P:M: (IAH 201 or IAH 202 or IAH 206)

Values of individualism, responsibility, love, community, and rationality. Students are introduced to diverse methods and materials from the arts and humanities.

**231B Themes and Issues: Moral Issues and the Arts and Humanities**  
Fall, Spring. 4(4-0) P:M: (IAH 201 or IAH 202 or IAH 206)

Human conflict and moral dilemmas, addressed through diverse methods and materials from the arts and humanities.

**231C Themes and Issues: Roles of Language in Society (D)**  
Fall, Spring. 4(4-0) P:M: (IAH 201 or IAH 202 or IAH 206)

Language as the medium of culture in various societies. Power and social identity as manifested through language. Students are introduced to diverse methods and materials from the arts and humanities.

- 241A Creative Arts and Humanities: Music and Society in the Modern World (D)**  
Fall of even years. 4(4-0) P:M: (IAH 201 or IAH 202 or IAH 206)

The arts and humanities of the modern world through the prism of music. Music traditions and methodologies in their historic context. Relationship of music creativity to societies in which it has been produced.

- 241B Creative Arts and Humanities: Philosophy in Literature**  
Spring. 4(4-0) P:M: (IAH 201 or IAH 202 or IAH 206)

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:M: (IAH 201 or IAH 202 or IAH 206)

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:M: (IAH 201 or IAH 202 or IAH 206)

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 even years. 4(4-0) P:M: (IAH 201 or IAH 202 or IAH 206)

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:M: (IAH 201 or IAH 202 or IAH 206)

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

### Center for Integrative Studies in General Science College of Natural Science

- 200 History of Life**  
Fall, Spring, Summer. 3(3-0) P:M: (MTH 103 or concurrently or MTH 110 or concurrently or MTH 116 or concurrently or MTH 124 or concurrently) or designated score on Mathematics placement test.

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.

- 202 Applications of Environmental and Organismal Biology**  
Fall, Spring, Summer. 3(3-0) P:M: (MTH 103 or concurrently or MTH 110 or concurrently or MTH 116 or concurrently or MTH 124 or concurrently) or designated score on Mathematics placement test.

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.

- 204 Applications of Biomedical Sciences**  
Fall, Spring, Summer. 3(3-0) P:M: (MTH 103 or concurrently or MTH 110 or concurrently or MTH 116 or concurrently or MTH 124 or concurrently) or designated score on Mathematics placement test.

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.

- 206H Human Biology and Society**  
Fall, Spring. 3(3-0) P:M: (MTH 103 or concurrently or MTH 110 or concurrently or MTH 116 or concurrently or MTH 124 or concurrently) or designated score on Mathematics placement test.

Conceptual and technological advances in biology. Ethical, legal, social and economic issues which accompany these advances.

- 208L Applications in Biological Science Laboratory**  
Fall, Spring, Summer. 2(1-2) P:M: (MTH 103 or concurrently or MTH 110 or concurrently or MTH 116 or concurrently or MTH 124 or concurrently or MTH 201 or concurrently or STT 200 or concurrently or STT 201 or concurrently or LBS 117 or concurrently) and (ISB 202 or concurrently or ISB 204 or concurrently) or designated score on Mathematics placement test. SA: ISB 202L, ISB 204L

Problem solving activities based on observation and interpretation of selected biological systems.

## INTEGRATIVE STUDIES IN PHYSICAL SCIENCE

ISP

### Center for Integrative Studies in General Science College of Natural Science

- 201 Concepts of Reality through Physical Science**  
Fall, Spring, Summer. 3(3-0) P:M: (MTH 103 or MTH 110 or MTH 116 or MTH 124 or MTH 201 or STT 200 or STT 201) or designated score on Mathematics placement test.

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.

- 201L Concepts of Reality through Physical Science Laboratory**  
Fall, Spring, Summer. 2(1-2) P:M: (ISP 201 or concurrently)

Problem-solving activities based on observation and interpretation of selected physical systems.

- 203 Geology of the Human Environment**  
Fall, Spring, Summer. 3(3-0) P:M: (MTH 110 or MTH 116 or MTH 124 or MTH 201 or MTH 103 or STT 200 or STT 201 or LBS 117) or designated score on Mathematics placement test.

The scientific method in geological studies: its impact on the human environment and history, and on cultural, social, philosophical, and political decisions.

- 203L Geology of the Human Environment Laboratory**  
Fall, Spring, Summer. 2(1-2) P:M: (ISP 203 or concurrently)

Exercises in the scientific method applied to earth materials and their impact on society.

- 205 Visions of the Universe**  
Fall, Spring, Summer. 3(3-0) P:M: (MTH 110 or MTH 116 or MTH 120 or MTH 124 or MTH 201 or STT 200 or STT 201 or MTH 103 or MTH 114 or LBS 117) or designated score on Mathematics placement test.

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.

- 205L Visions of the Universe Laboratory**  
Fall, Spring, Summer. 2(1-2) P:M: (ISP 205 or concurrently)

Observations of the sky, laboratory experiments, and computer simulations exploring the development of the modern conception of the universe.