

Descriptions—Integrative Management of Courses

850. Analysis and Decision Models

Summer. 2(1.8-4) P: STT 315. R: Open only to MBA students in the Program in Integrative Management.

Models to support decision making: applications of regression analysis, decision analysis, simulation, forecasting, and project management.

852. Organization Design

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

Assessing tasks, environments, and technology to organize and implement corporate and business unit strategies. Assessing distinctive competencies in organizations to deal with dynamic environments. Application of course concepts to work environment.

853. Human Resource Management

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

Strategic organizational issues associated with managing the labor market to acquire, develop, and compensate human resources. Application of course concepts to work environment.

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: 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

Fall, Spring, Summer. 1.5(1.5-0) 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.

A 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.

887A. Describing the Healthcare Industry

Spring. 1.5(1.5-0) R: Open only to MBA students in the Program in Integrative Management.

The healthcare industry's unique economics, legal aspects, industry structure, market forces, and management challenges. Evolving concepts of products and quality. Social vs market forces. Managing organizations constituted of diverse stakeholder groups.

SA: PIM 887

887B. Healthcare Industry Leadership

Spring. 1.5(1.5-0) R: Open only to MBA students in the Program in Integrative Management.

Managing healthcare organizations containing diverse, competing stakeholder groups in a complex environment. Leading organizational change.

SA: PIM 887

888. Change and Innovation in the Healthcare Industry

Summer. 3(3-0) R: Open only to MBA students in the Program in Integrative Management.

Current forces driving change in the healthcare industry: economic, social, regulatory, and competitive. Predicting change and impacts on the industry. "Managed care" as a generic market restructuring strategy. Roles of technology and systems innovation in the industry.

889. Strategic Positioning in the Healthcare Industry

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

Charting a firm's future in the healthcare industry. Finding and implementing the firm's fit with the market. Gaining competitive advantage in the industry. The scope of the firm's market. The roles of alliances and acquisitions.

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: Completion of Tier I writing requirement. 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.

211A. Area Studies and Multicultural Civilizations: Africa (I)

Spring. 4(4-0) P: (IAH 201)

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: (IAH 201)

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: (IAH 201)

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: (IAH 201)

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: (IAH 201)

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: (IAH 201)
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: (IAH 201)
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: (IAH 201)
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: (IAH 201)
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: (IAH 201)
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: (IAH 201)
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: (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 even 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.

204L. Applications of Biomedical Science Laboratory

Fall, Spring, Summer. 1(0-2) C: ISB 204 concurrently.
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: MTH 103 or MTH 110 or MTH 116 or MTH 120 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.

**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: MTH 110 or MTH 116 or MTH 120 or MTH 124 or MTH 201 or STT 200 or STT 201 or concurrently 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. 1(0-2) C: ISP 201 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: MTH 110 or MTH 116 or MTH 120 or MTH 124 or MTH 201 or STT 200 or STT 201 or concurrently 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. 1(0-2) C: ISP 203 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: MTH 104 or MTH 110 or MTH 116 or MTH 120 or MTH 124 or MTH 201 or STT 200 or STT 201 or concurrently or designated score on mathematics placement
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.

**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: MTH 103 or MTH 110 or MTH 116 or MTH 120 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: MTH 103 or MTH 110 or MTH 116 or MTH 120 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.

202L. Applications of Environmental and Organismal Biology Laboratory

Fall, Spring, Summer. 1(0-2) C: ISB 202 concurrently.
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: MTH 103 or MTH 110 or MTH 116 or MTH 120 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.