

807. Advanced Food Toxicology
Fall of even years. 3(3-0) Interdepartmental with Food Science; and Animal Science. Administered by Food Science. R: Approval of department.

Toxicology related to food safety. Metabolism of toxicants as influenced by food constituents, mutagenesis, and chemical carcinogenesis. Risk assessment.

840. Human Nutrition and Chronic Diseases

Fall of odd years. 3(3-0)

Dietary intervention and treatment of chronic diseases: obesity, cardiovascular disease, diabetes, gastrointestinal disorders and cancer.

843. Community Nutritional Assessment

Spring of odd years. 3(2-2)

Nutritional assessment of population groups in community settings. Interpretation of national and international health data.

890. Supervised Individual Study

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students in Food Science and Human Nutrition. Students are limited to a combined total of 10 credits in HNF 890 and HNF 894.

Faculty supervised study of nutrition areas of individual interest.

891. Topics in Human Nutrition (MTC)

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to graduate students.

Current topics in applied and basic human nutrition.

892. Nutrition Seminar

Fall, Spring. 1(1-0) A student may earn a maximum of 6 credits in all enrollments for this course. Presentations by students on current topics in nutrition.

894. Human Nutrition Practicum

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students in Food Science and Human Nutrition. Students are limited to a combined total of 10 credits in HNF 890 and HNF 894. Approval of department.

Experience in agencies or offices related to Human Nutrition. Field experience required.

899. Master's Thesis Research

Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 20 credits in all enrollments for this course. R: Open only to masters students in Human Nutrition and Foods.

935. Nutrition: Lipid and Carbohydrate Metabolism

Fall of even years. 3(3-0) Interdepartmental with Animal Science.

Regulatory aspects of lipid and carbohydrate metabolism as influenced by nutritional status.

936. Protein Nutrition and Metabolism
Spring of even years. 3(3-0) Interdepartmental with Animal Science. Administered by Animal Science.

Nutritional and endocrine regulation of protein synthesis and degradation, protein quality assessment, protein status, protein-energy malnutrition. Protein metabolism during exercise. Metabolism, digestion, and absorption of amino acids and proteins.

937. Mineral Nutrition and Metabolism

Fall of even years. 3(3-0) Interdepartmental with Animal Science. Administered by Animal Science. Forms and locations of mineral elements in the body, metabolic functions, deficiencies, and toxicities, interrelationships and quantitative requirements.

938. Nutrition: Metabolism and Function of Vitamins

Spring of odd years. 3(3-0) Interdepartmental with Animal Science.

Regulatory roles of vitamins at cellular and molecular levels.

999. Doctoral Dissertation Research

Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to doctoral students in Human Nutrition and Foods.

INTEGRATIVE MANAGEMENT

PIM

The Eli Broad College of Business and The Eli Broad Graduate School of Management

800. Managerial Skills

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

Approaches to effective group management in business organizations. Creating, maintaining, and leading work groups.

801. Firm Analysis

Fall. 1 credit. R: Open only to MBA students in the Program in Integrative Management.

Faculty supervised analysis of the student's employing organization. Organization and financial structure. Information, accounting, operating, and marketing systems.

802. Environmental Analysis

Spring. 1 credit. R: Open only to MBA students in the Program in Integrative Management.

Faculty supervised analysis of the student's employing organization. Customer and competitor analysis. Legal and financial environment. Human resource issues.

803. Strategic Analysis

Fall. 1 credit. R: Open only to MBA students in the Program in Integrative Management.

Faculty supervised analysis of the student's employing organization. Strategy formulation and policy integration.

811. Financial Accounting Concepts
Summer. 2(2-0) R: Open only to MBA students in the Program in Integrative Management.

Financial reporting issues from a user's perspective. Measurement, valuation, and reporting concepts and issues. Analysis and use of financial accounting information for decision making.

812. Managerial Accounting Concepts

Fall. 1.5(1.5-0) P: PIM 811. R: Open only to MBA students in the Program in Integrative Management.

Accounting information for decision making and control: cost behavior patterns, activity-based costing, cost allocations, budgeting, transfer pricing, and accounting controls. Application of course concepts to work environment.

813. Information Systems

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

Information, process, and technology architectures of corporate information systems. Role of information in organizational control and decision making. Methods for evaluating effectiveness of information systems. Application of course concepts to the work environment.

821. Managerial Economics

Summer. 2(2-0) R: Open only to MBA students in the Program in Integrative Management.

Economics of the firm, with applications. Supply and demand, production and cost, competitive markets, pricing with market power, strategic behavior.

822. Macroeconomics for Managers

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

Determinants of national income, employment, and inflation. Macroeconomic environment of business: business fluctuations, fiscal and monetary policy, international capital flows, and forecasting macroeconomic data.

831. Managerial Legal Environment

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

The U.S. legal system. The interrelationship of law and ethics. Regulation of business by courts, state and federal statutes, and governments. Applications of course concepts to work environment.

841. Corporate Finance

Fall. 1.5(1.5-0) P: PIM 811. R: Open only to MBA students in the Program in Integrative Management.

Valuation techniques for bonds and stocks. Investment decisions by firms. The relation between risk and return. Pricing models for risk. U.S. capital markets. Application of course concepts to work environment.

842. Managerial Finance

Spring. 1.5(1.5-0) P: PIM 811, PIM 841. R: Open only to MBA students in the Program in Integrative Management.

Market efficiency, capital budgeting, security issues, dividend policy, capital structure, and bankruptcy costs. Agency problems between different stakeholders and option pricing. Application of course concepts to work environment.

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.