Human Nutrition and Foods—HNF

494 Practicum  
Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Open only to majors in the Department of Food Science and Human Nutrition. Approval of department. 
Professional experience in selected settings and organizations under faculty supervision.

807 Advanced Food Toxicology  
Fall of even years. 3(3-0) Interdepartmental with Food Science; Animal Science. Administered by Department of Food Science and Human Nutrition, R: Approval of department. 
Toxicology related to food safety. Metabolism of toxicants as influenced by food constituents, mutagenesis, and chemical carcinogenesis. Risk assessment.

811 Integrated Nutrient Metabolism  
Fall of odd years. 3(3-0) Interdepartmental with Animal Science. Administered by Department of Animal Science. RB: (BMB 210 or 401) or approval of department. 
Comparative physiology of the absorption and metabolism of carbohydrates, lipids, proteins, minerals, and vitamins and their regulation and integration. Basis for applied nutrition of humans, livestock and companion animals.

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.

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. 
Master's thesis research.

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 Department of Animal Science. 

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. 
Doctoral dissertation research.

INFORMATION TECHNOLOGY MANAGEMENT ITM

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

311 Systems Analysis and Design  
Spring, 3(3-0) P.M.: (BUS 309) R: Open only to students in The Eli Broad College of Business. 
Structured analysis and design of information systems. Use of computer aided software engineering tools. Consulting issues associated with the design and implementation of information systems.

414 Enterprise Resource Planning Systems  
Spring, 3(3-0) P.M.: (ITM 311 and BUS 309) R: Open only to students in The Eli Broad College of Business. 
Analysis, design and use of enterprise systems. Importance of enterprise system fit and re-engineering of the enterprise. Implementation risks and organizational returns. Use of enterprise software.

490 Independent Study in Information Technology  
Fall, Spring, Summer. 1 to 4 credits. P.M: (BUS 309) R: Open only to students in The Eli Broad College of Business. 
Directed study in information technology under faculty supervision.

491 Special Topics in Information Technology  
Fall, Spring. 1 to 4 credits. P.M: (BUS 309) R: Open only to students in The Eli Broad College of Business. 
Current topics in information technology.

821 Enterprise Database Systems  
Fall. 3(3-0) Interdepartmental with Accounting. Administered by Department of Accounting and Information Systems. R: Open only to MBA students and MS in Professional Accounting students. Not open to students with credit in ACC 321. 
Management of information in business organizations. Conceptual modeling of transaction processing systems, workflow systems, and enterprise-wide networks of value-added activities. Integration of decision support and policy level systems with economic event processing systems. Information system implementation.

822 Analysis and Design of Enterprise Systems  
Fall. 3(3-0) Interdepartmental with Accounting. Administered by Department of Accounting and Information Systems. P.M: (ACC 321 or MBA 823) R: Open only to MBA students and Master of Science students in Professional Accounting or approval of department. 
Structural analysis and design of enterprise information systems. Use of computer-aided software design tools. Consulting issues associated with the design and implementation of information systems.

823 Advanced Enterprise Database Systems  
Fall. 3(3-0) Interdepartmental with Accounting. Administered by Department of Accounting and Information Systems. P.M: (ACC 321 or ACC 821 or ITM 821) R: Open only to MBA students and Master of Science students in Professional Accounting or approval of department. 

824 Business Data Communications  
Spring. 3(3-0) Interdepartmental with Accounting. Administered by Department of Accounting and Information Systems. P.M: (MBA 823 or ACC 321) R: Open only to MBA students and Master of Science students in Professional Accounting or approval of department. 

825 Object Oriented Business Information Systems  
Spring. 3(3-0) Interdepartmental with Accounting. Administered by Department of Accounting and Information Systems. P.M: (ACC 823 or ITM823) R: Open only to MBA students and Master of Science students in Professional Accounting or approval of department. 
INTEGRATIVE MANAGEMENT PIM

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

800 Managerial Skills
Summer. 1(1-1) 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(1-1) 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(1-1) 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(1-1) 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. 1(1-1) R: Open only to MBA students in the Program in Integrative Management.

812 Managerial Accounting Concepts
Fall. 1(1-1) R: (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(1-1) 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. 1(1-1) 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
Fall. 1(1-1) 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(1-1) 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(1-1) RB: (PIM 811) R: Open only to MBA students in the Program in Integrative Management.

842 Managerial Finance
Spring. 1(1-1) RB: (PIM 811 and 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.

850 Analysis and Decision Models
Summer. 1(1-1) RB: (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.

851 Human Resource Management
Fall. 1(1-1) 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.

852 Organization Design
Fall. 1(1-1) 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 Socially Responsible Business
Fall. 1(1-1) R: Open only to MBA students in the Program in Integrative Management.
Ethics and social responsibility in business and society. Corporate social responsibility and sustainability practices. Application of course concepts to work environment.

855 Strategic Management
Fall. 1(1-1) 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(1-1) RB: (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.

870 Supply Chain Management
Fall. 1(1-1) 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. 1(1-1) 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. 1(1-1) R: Open only to MBA students in the Program in Integrative Management.

873A Current Business Issues: Finance
Fall, Spring, Summer. 1(1-1) 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.
Perspectives on current and emerging topics.