Management (6500)

6500:510 Selected Topics in Entrepreneurship (1-3 Credits)
Prerequisites: upper-college or graduate standing and 6500:301 or 6500:600 or equivalent. Facilitates comparative international study of entrepreneurship, introduction of entrepreneurship to large organizations, or application of student's entrepreneurial skills. Six hour limit.

6500:520 Data Networks & Security (3 Credits)
Prerequisite: 6500:601. Principles of the design and management of data networks for business communications.

6500:533 Supply Chain Logistics Planning (3 Credits)
Prerequisites: 6500:675. Emphasizes the importance of planning in the development of the domestic and global supply chain logistics system that includes transportation, inventory, warehousing and procurement.

6500:585 Special Topics in Health Services Administration (1-3 Credits)
Prerequisite: permission of instructor. Special topics in health services administration (e.g., management) focusing on historical and/or contemporary managerial organizational and/or policy/strategy issues as related to health-care organizations and health-care systems. Separate topics may be repeated for a maximum of six credits. For those registered for graduate credit, a major research paper is required.

6500:600 Management & Organizational Behavior (3 Credits)
Course examines management principles, concepts, functions and process, as well as human behavior in organizations.

6500:601 Business Analytics and Information Strategy (3 Credits)
Covers information systems foundations, strategic use of core analytical techniques including statistics and data mining to enable firms to better compete.

6500:602 Programming for Data Analytics (3 Credits)
Introduction to data preprocessing and programming concepts including controls, functions, and data structures, and applications to modeling, hypothesis testing, data visualization, and simulation and bootstrapping.

6500:605 Object Oriented Programming (3 Credits)
Advanced introduction to computer programming in the context of developing business applications. It consists of two core components: object-oriented programming principles and business applications prototyping.

6500:608 Entrepreneurship and Innovation (3 Credits)
Prerequisite: Graduate Standing. Students develop skills and abilities that contribute to an entrepreneurial mindset and utilization of innovative problem solving in identifying, validating, and pursuing new opportunities outside and inside organizations.

6500:620 E-Business Foundations (3 Credits)
Provides an understanding of the foundation of Electronic Business focusing on business and application issues.

6500:622 E-Business Technologies (3 Credits)
Prerequisite: 6500:620 or 6500:602. This course provides a foundation in internet related technologies for successfully managing an e-business. Students will be required to design and implement a functional e-business prototype.

6500:640 Data and IS Governance (3 Credits)
Corequisite: 6500:601. Focuses on management of IT and analytics functions, including alignment with business strategy, data architecture, systems and data governance, and cloud analytics processing.

6500:641 Business Database Systems (3 Credits)
Introduction to issues underlying the analysis, design, implementation, and management of business databases.

6500:643 Analysis & Design of Business Systems (3 Credits)
Prerequisite: 6500:605. A hands-on treatment of the methods used to develop different types of business information systems.

6500:644 Business Intelligence (3 Credits)
Corequisite: 6500:601. Concerns transformation of business data into actionable information through ETL, data warehousing, data modeling and architecture. Particular emphasis on data visualization with end user tools.

6500:645 Software Development and Quality Assurance (3 Credits)
Prerequisite: 6500:601. Introduction to business software development and quality assurance. Student teams will work on projects with an emphasis on implementation of business systems.

6500:646 Enterprise Systems Implementation (3 Credits)
Prerequisite: 6500:602. The configuration and implementation of Enterprise Systems to support the cross functional integration of business processes.

6500:648 Management of Telecommunication (3 Credits)
Prerequisite: 6500:602 or 6200:603. An introduction to the use and management of telecommunications resources to support the activities of the organization.

6500:650 Human Resource Systems for Managers (3 Credits)
Prerequisite: 6500:652. A broad survey of the fundamental principles, research findings and practices related to the acquisition, development, maintenance and effective utilization of a business firm's human resources.

6500:651 Organizational Transformation (3 Credits)
A comprehensive study of innovations in organizations designed to increase human satisfaction and productivity through changes in human management.
6500:652 Managing People in Organizations (3 Credits)
Introduction to the employee issues that managers face in organizations. The aspects of organizational behavior that influence performance, and issues related to managing human resources will be examined.

6500:653 Organizational Theory (3 Credits)
Prerequisite: 6500:600. Examines the structure, design and overall effectiveness of a business organization from a macro-perspective.

6500:654 Management of Organizational Conflict (3 Credits)
Prerequisite: 6500:600 or equivalent. Course emphasizes ensuring that the organization benefits from inevitable conflicts that occur, and provides skills in diagnosis, negotiation, and building trust and cooperative working relationships in organizations.

6500:655 Compensation and Performance Management (3 Credits)
Prerequisite: 6500:600 or equivalent. The development and analysis of systems of payments and rewards in business organizations with special attention placed on performance evaluation methods and productivity enhancement.

6500:656 Management of Global Supply Chain & Operations (3 Credits)
Prerequisites: 6500:600 or equivalent or permission of instructor. Study and explore the elements and issues related to globalization of supply chain, production and service operations.

6500:657 Leadership Role in Organizations (3 Credits)
Prerequisite: 6500:652. Analysis and development of leadership theory and thought. Identification of leaders in both formal and informal organizations. Training and development methods of leaders evaluated. Individual and small group field study assignments.

6500:658 Managing a Global Workforce (3 Credits)
Prerequisites: 6500:652. The formulation, design, and implementation of human resource practices designed to generate competitive cost advantages for business firms operating in domestic and/or international markets.

6500:659 International Human Resource Management (3 Credits)
Prerequisite: 6500:600. A survey course focused on the identification, analysis, and resolutions of human resource problems in business firms with global operations.

6500:660 Staffing and Employment Regulation (3 Credits)
Prerequisite: 6500:600 or equivalent. Design and implementation of staffing practices and systems for businesses with an emphasis on the implications of federal regulations on the staffing function.

6500:661 Comparative Systems of Employee & Labor (3 Credits)
Prerequisite: 6500:600. A survey course examining how industrial relations systems and employment practices across national boundaries impact upon the employment relationship of business firms with global operations.

6500:662 Supply Chain Analysis (3 Credits)
Prerequisites: 6500:670. Application of quantitative models in the analysis and design of systems in the supply chain and in manufacturing and service operations environments.

6500:663 Advanced Data Analytics Topics (3 Credits)
Prerequisites: 6500:601 and 6500:602. Covers advanced topics on data analytics such as Bayesian networks and decision tree learning. Requires a programming language for big data projects.

6500:665 Management of Technology (3 Credits)
Survey of the principles and management practices of technology driven organizations are discussed with concepts, models and case studies for managers of technology intensive operations.

6500:669 Polymer Management Decisions (3 Credits)
Introduces major polymer concepts, production processes, and uses of polymeric materials in an easy-to-comprehend interdisciplinary instructional way. Industrial case studies will help integrate enterprise-wide innovation and technology management related decisions.

6500:670 Management of Supply Chains and Operations (3 Credits)
An overview of the issues directly related to the management of supply chains and operations at the strategic, tactical, and operational levels of the organization.

6500:672 Management Project (3 Credits)
Prerequisite: Instructor permission. Students develop skills in real-world problem solving by interacting with organizations on issues important to them. Special emphasis will be transforming actual organizational data into recommendations.

6500:673 Quality & Productivity Techniques (3 Credits)
Prerequisite: 6500:601. Introduction to techniques for improving productivity and quality, including statistical process control (SPC), material requirements planning (MRP), just-in-time (JIT) inventory control and management of the program.

6500:675 Global Supply Chain Management (3 Credits)
Prerequisite: Graduate Standing. Focuses on the integration of activities and information/material flows across multiple organizations that comprise the supply chain, and the relationships among those organizations.

6500:677 Supply Chain Sourcing (3 Credits)
Prerequisite: 6500:670. Introduces the student to fundamental sourcing concepts as well as the scope of responsibility and critical roles of the sourcing function within the principal organization in a supply chain network.

6500:678 Project Management (3 Credits)
Prerequisite: Graduate Standing. Provides working knowledge of tools and methods available to project managers including computerized analysis of network models to aid in the planning and control functions.

6500:680 Supply Chain Logistics Management (3 Credits)
Prerequisite: 6500:670. Emphasizes the importance of planning and operation of supply chain logistics systems that includes transportation, inventory and warehousing, with particular emphasis on international logistics, regulations and documentation.

6500:681 Foundations of Health Care Leadership (3 Credits)
Introductory course for health professionals covering principles and concepts of management applied to health services organizations.

6500:682 Management of Service Operations (3 Credits)
Application of operations and systems analysis to services organizations.

6500:683 Health Services Systems Management (3 Credits)
Prerequisite: Graduate Standing. Study of health services organizations, comparative delivery systems, the roles of third-party payors and government policy in health care. Seminar format: major research paper required.

6500:685 BioInnovation and Design (3 Credits)
Bring together students with different academic backgrounds to work in teams and identify and develop new medical technologies and solutions to health care problems.

6500:686 Health Services Research Project (3 Credits)
Prerequisites: 6500:683 or permission of instructor. In-depth field study in health services administration with applications of research and analysis skills. Course requires review of literature and a major research paper.
6500:688 Independent Study: Health Services Administration (1-3 Credits)
(May not be repeated for more than three credits) Prerequisites: 6500:580 or 6500:600 or equivalent or permission of instructor. Independent study and research of a special topic of interest in health services administration (e.g., management), chosen by the student in consultation with and under the supervision of the instructor.

6500:690 Selected Topics in Management (3 Credits)
(May be repeated for a total of six credits) Prerequisite: 6500:652. Selected topics in historical, contemporary and/or operational and functional areas of management.

6500:695 Organizational Strategy (3 Credits)
Prerequisite: Complete four classes: 6500:670, 6400:674, 6600:620, 6800:605 or Permission of Instructor. A case-oriented course which focuses on integration of theoretical and practical knowledge acquired in core business courses. Students analyze, evaluate, and formulate organization objectives and strategies within domestic and international environmental contexts.

6500:697 Independent Study: Management (1-3 Credits)
(May be repeated for a total of six credits) Focus on special topics of study and research in management on an independent basis.