MANAGEMENT (MGMT)

MGMT-101 Introduction to Applied Management   4 Credits
Prerequisites: None
Students will learn about the basic functions of management (leading, planning, organizing and monitoring) through application of team-based projects. The course serves to introduce students to focused teamwork, project management and systems analysis tools that will be revisited in later courses.
Lecture: 4, Lab 0, Other 0

MGMT-104 Management Concepts   4 Credits
Prerequisites: None
The art and science of management is introduced and examined through multiple perspectives within a global and ethical context. An examination of the functions of a manager (to plan, organize, lead, and evaluate) builds upon the elements of organizational theory and behavioral sciences, leading to topics in motivation and leadership. Principles of organizational structure and design and the importance of management in dealing with the complexity of modern organizations will be emphasized.
Lecture: 4, Lab 0, Other 0

MGMT-205 Organizational Behavior   4 Credits
Prerequisites: MGMT-104
This course provides an overview of human behavior in the organizational context. Topics will include coverage of individual behavior, behavior in organizations, diversity, organizational culture, organizing in an international context, working in teams, and working in organizations.
Lecture: 4, Lab 0, Other 0

MGMT-313 Marketing Research   4 Credits
Prerequisites: BUSN-271 or MATH-258
Students will learn about connecting business to consumers, with an emphasis on analyzing consumer desires and needs to guide management decisions related to product design and realization. Students will also learn about researching markets, market segmentation, consumer behavior, and how these concerns relate to marketing strategy.
Lecture: 4, Lab 0, Other 0

MGMT-314 Financial Statement Analysis   4 Credits
Prerequisites: BUSN-331
This course is designed to prepare students to interpret and analyze financial statements for tasks such as risk assessment, lending and investment decisions, forecasting, and decision-making. The course will include both quantitative tools to use and qualitative factors to consider in evaluating the firm's financial statements.
Lecture: 4, Lab 0, Other 0

MGMT-315 Operations and Supply Chain Management   4 Credits
Prerequisites: BUSN-221 and BUSN-312
This course is designed to provide students with an overview of managing operations processes both within the organization and across organizational boundaries in order to create new value for the end customer of the supply chain. Course content will include inbound materials management, service procurement, production processes and outbound distribution.
Lecture: 4, Lab 0, Other 0

MGMT-333 Competency in Professional Management   4 Credits
Prerequisites: None
Minimum Class Standing: Sophomore
This course consists of intensive study in 8 key areas of business that, along with the demonstrated competency in required mathematics, statistics and economics acquired in separate courses, will prepare non-business undergraduate students to embark on graduate studies in business. Students are required to complete learning modules in Accounting, Finance, Marketing, Global Dimensions of Business, Legal Environment of Business, Information Management Systems, Organizational Behavior, and Business Integration and Strategy which encompass accreditor expectations for the Undergraduate Common Professional Component (CPC).
Lecture: 3, Lab 2, Other 0

MGMT-391 Management Special Topics   4 Credits
Prerequisites: None
Lecture: 4, Lab 0, Other 0

MGMT-419 Project Management   4 Credits
Prerequisites: None
Minimum Class Standing: Junior
This course covers managing projects within an organizational context, including the processes related to initiating, planning, executing, controlling, reporting, and closing a project. Concepts such as project integration, scope, time, cost, quality control, and risk management are highlighted. Identifying project champions, working with user teams, training, and documentation are key concepts of project management that are detailed in the course.
Lecture: 4, Lab 0, Other 0

MGMT-423 Data Analytics   4 Credits
Prerequisites: (BUSN-271 or MATH-258) and (CS-101 or IME-211)
Minimum Class Standing: Senior
The rise of big data and machine learning has transformed the business world. In fact, these tectonic shifts in the business landscape are labeled as the fourth industrial revolution. Data is the new oil, creating enormous wealth and opportunity for businesses. This course will introduce the strategic importance and applications of these new Artificial Intelligence (AI) technologies. This is a hands-on learning course focusing on developing skills in using the Python language for data cleaning, exploration and modeling. The overarching aim is to provide a strong start towards developing skills that will eventually lead towards becoming an accomplished data scientist, who understands and is able to apply these skills towards achieving organizational competitive advantage.
Lecture: 4, Lab 0, Other 0

MGMT-424 Data Visualization   4 Credits
Prerequisites: (CS-101 or IME-211) and (BUSN-271 or MATH-258)
Minimum Class Standing: Senior
This course encompasses the principles, techniques, aesthetics, and applications of data visualization. Starting with development of the basics of computer programming for visualization, the students learn methods to develop effective univariate, multivariate, and high dimensional data visualizations. The course also covers geographic and text-based visualization techniques. The course uses the highly demanded Python-based packages: Matplotlib, Seaborn, and Plotly. Students will also develop skills in using the grammar of graphics approach encapsulated in ggplot.
Lecture: 4, Lab 0, Other 0

MGMT-425 Digital Strategy and Competitive Advantage   4 Credits
Prerequisites: None
Minimum Class Standing: Senior
This course is the intersection of strategic management with data-science. Cases and simulations are used to examine how firms use strategy and data-science to build competitive advantage. The course explores the strategy and dynamics of Artificial Intelligence (AI) based firms. It also brings the perspectives of practicing data-scientists and expands on their roles in reshaping the competitive landscape of their industries.
Lecture: 4, Lab 0, Other 0

MGMT-465 Strategic Management   4 Credits
Prerequisites: None
Minimum Class Standing: Senior
Students will learn how to apply a holistic perspective to analyzing and positioning organizations and business units for competitive advantage. The focus of the course will be on a systemic approach to management decisions that foster organizational success.
Lecture: 4, Lab 0, Other 0

MGMT-479 Leadership   4 Credits
Prerequisites: MGMT-205
A comprehensive examination of different leadership theories and models along with leadership development emphasizing relevant empirical evidence and application of these constructs to case studies that involve leadership and group functioning. Additionally, process of decision-making in a variety of leadership settings will be introduced, including the processes of leading independently or with direct authority. The distinction between leadership and management, crucial role of leadership when managing groups and teams, and the importance of ethical conduct and persuasion in effective leadership are covered.
Lecture: 4, Lab 0, Other 0

MGMT-484 Business Consulting Project   4 Credits
Prerequisites: None
Minimum Class Standing: Senior
This is the capstone course for the Management Major and is designed to provide students with practical, hands-on experience consulting with organizational leadership. This course will require extensive field work. The course will revolve around a single consulting project. Working with the principals of the organization, students will be responsible for gaining a strong understanding of the issues, and related relevant factors associated with improving organizational performance. Students will be required to offer a workable plan to address the issues that are identified over the course of the project.
Lecture: 4, Lab 0, Other 0

MGMT-510 Foundations of Business   4 Credits
Prerequisites: None
This course provides the prerequisite knowledge necessary for studying management in a graduate program. Students are introduced to both a theoretical understanding, and practical application, of concepts in the disciplines of management, marketing, accounting, finance, economics, and statistics. Through readings, videos, discussion questions, and assignments, students are introduced to basic content from each topic area, as well as APA writing style, in preparation for entry into a graduate management program.
Lecture: 4, Lab 0, Other 0

MGMT-521 Statistical and Quantitative Methods for Managerial Decision   4 Credits
Prerequisites: None
Learn about the principles and techniques for collecting, analyzing, interpreting, and communicating information based on data. Data analysis emphasizes the fundamentals behind designing data collection strategies that lead to useful information for problem solving and process and product improvements. Data analysis techniques include descriptive statistics, basic hypothesis testing, experimental design, and regression analysis. Use of a statistical software will be made to illustrate important data analysis concepts with a focus on understanding the computer output. The project requirement is expected to enable students to apply the data analysis concepts learned in the class. In summary, this course will assist the students to become knowledgeable consumers of data analysis, its applications and limitations.
Lecture: 3, Lab 0, Other 1

MGMT-550 Mgmt Concepts and Applications   2 Credits
Prerequisites: None
Both the art and the science of management will be introduced and examined through multiple perspectives within a global and ethical context. An examination of the functions of a manager builds upon the elements of organizational and behavioral theory. Principles of organizational structure and design will also be discussed. The importance of management in dealing with the complexity of modern organizations will be emphasized throughout.
Lecture: 2, Lab 0, Other 0