

# GRADUATE COURSES OF STUDY

## MANAGEMENT

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### **MGMT 605.PROJECT MANAGEMENT**

This course provides a foundational overview of project management principles and practices. Students will develop essential skills to successfully lead projects across various industries. Emphasis on managerial aspects such as project organization, the roles and qualifications of a project manager, leadership, team building, and managing conflict and stress within projects. Additional topics include scheduling, budgeting, control mechanisms, and an introduction to project management software. Both traditional and agile project management methodologies will be explored. *Three credit hours.*

### **MGMT 613.BUSINESS LEADERSHIP AND CONTEMPORARY ISSUES**

This course focuses on leadership theory and application, including developing organizational leadership skills. Contemporary issues include ethics, diversity, sustainability, creativity, decision making, societal impact, and globalization. Students complete self-assessments to discern personal leadership strengths and weaknesses, concluding with plans to improve limitations and employ strengths. *Three credit hours.*

### **MGMT 615.MANAGEMENT INFORMATION SYSTEMS**

This course integrates many business foundations within the concept of information systems and illustrates how these systems support the overall objectives of a firm. Students will learn how to use Business Intelligence (BI) techniques to gain insights into emerging social media technologies and deal with "Big Data." Students will be exposed to managerial, strategic, and technical issues associated with developing and deploying Business Intelligence Solutions. *Three credit hours.*

### **MGMT 620.BUSINESS ANALYTICS AND DECISION MAKING**

This course presents analytics and decision-making for the business manager. Topics include descriptive, predictive, and prescriptive analytics and relevant statistical methods, spreadsheet models, and decision analysis techniques. This course introduces data mining, data visualization, and dashboards. *Three credit hours.*

### **MGMT 625.LEADERSHIP AND MANAGEMENT**

This course emphasizes key behavioral topics necessary to manage oneself and others in organizations. Specifically, the topics covered include individual attributes (personality, perception, motivation, relationship building), group processes (norms, roles, and team basics), leadership views, and organizational culture and change. An understanding of the relationship between each of these areas and organizational outcomes is enhanced through lecture, cases, and interactive exercises. *Three credit hours.*

### **MGMT 635.BUSINESS PROCESS MANAGEMENT**

This course emphasizes concepts and techniques related to the design, planning, control, and improvement of manufacturing and service operations. The course begins with a holistic view of operations, with emphasis on the coordination of product development, process management, and supply chain management. As the course progresses, the student will investigate various aspects of each of these three tiers of operations in detail. The course will cover topics in the areas of process analysis, materials management, production scheduling, quality improvement, and product design. *Three credit hours.*

### **MGMT 645.HUMAN RESOURCE ENVIRONMENT**

This course presents an overview and application of the major human resource management functions: selection and placement; compensation and benefits; training and development; employee and labor relations; health, safety, and security; and strategic management practices. Legal, motivational, international, and human resource information system issues are included. *Three credit hours.*

**MGMT 655.ANALYTICS AND BIG DATA MANAGEMENT**

This course explores the role of data in driving decisions made by managers across and within functional boundaries. Specifically, students learn to understand, visualize, and present data that supports organizational decision-making processes. They also learn how to create data-driven models, such as regression and decision trees, to make decisions to address critical challenges faced by organizations and society. This course features hands-on exercises with appropriate software. *Three credit hours.*

**MGMT 665.SUPPLY CHAIN AND LOGISTICS**

This course presents the strategic framework, issues, and methods for integrating supply and demand management within and across companies. An overview of the strategic role that supply management has in effective supply, demand, and value chain operations will be explored. Methods, tools, and modeling techniques used in support of supply chain decision making will prepare the student for advanced problem solving within the realm of supply chain management. *Three credit hours.*

**MGMT 675.QUALITY MANAGEMENT DESIGN AND SIX SIGMA**

The course requirements include the principles of Six Sigma, Six Sigma DMAIC methodology, and understanding the tools and methods associated with the Design for Six Sigma. Topics covered in the course include Process Measurement, Process Analysis, Process Improvement, and Process Control. *Three credit hours.*

**MGMT 685.INNOVATION AND QUALITY MANAGEMENT**

Issues and various approaches involved in defining, developing, or acquiring, and deploying management systems are studied within both strategic and support roles. Students will examine how innovative technologies can be used as an enabler for business process improvement and service, how to recognize business processes and assess their information-related needs, and how to develop organizational agility through business process innovations enabled by quality management processes. *Three credit hours.*

**MGMT 695.STRATEGY FORMULATION AND IMPLEMENTATION**

This course is a graduate program capstone course examining concepts and methods that integrate functional areas of business. The perspective is that of general management charged with directing the total enterprise. Interactions among the environment, organization, strategy, policies and the implementation of plans are explored. Special emphasis is given to globalization of business and ethical perspectives. *Three credit hours.*