

OPERATIONS MANAGEMENT (OPMG)

OPMG 3302

Business and Economic Statistics

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course introduces descriptive statistics (measures of central tendency, variances, and graphic representation of data) and statistical inferences. Statistical inferences will involve sampling techniques, estimation, testing of hypotheses and regression analysis.

Prerequisites: MATH 1324, MATH 1414 or MATH 1342.

OPMG 3303

Managerial Rapport and Documentation

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course is a hands-on approach to procedures and techniques that enhance inter and extra organizational relations. Internally, the purpose is to improve people relations; externally, the purpose is to improve community perception of the organization. The course emphasizes all kinds of professional communication skills such as business presentations, technical reports, research reports, oral presentations and business etiquette.

Prerequisite: Junior standing and ENGL 1302.

OPMG 3305

Organizational Theory and Practice

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course is an examination of contemporary theory and practice of management. It provides an overview of the management process and functions of planning, organizing, leading, and controlling to accomplish goals. Emphasis is placed on the study of organizational structure and managing organizational change.

Prerequisite: Junior Standing and HRPO 2301.

OPMG 3310

Decision Making

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

Analytic and systematic approach to the study of decision making through management science processes and techniques. Topics include quantitative analysis and decision-making relationships, simulation and risk analysis, and decision analysis using various criteria.

Prerequisite: Junior standing and MATH 1324, MATH 1414 or MATH 1342.

OPMG 3311

Technology in Enterprise Management

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

The use of technology in commercial and industrial enterprises. Topics include the use of computers and software in communication, inventory management, production, automation, sales, and financial forecasting.

Prerequisites: Junior standing.

OPMG 3321

Supply Chain Management

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

The purpose of this course is the overview of the entire supply chain: manufacturers, service providers, distributors, sales channels, e.g. retail, e-commerce, and consumers. Students will study and analyze interaction among purchasing, materials management, logistics, warehouse/distribution center management, and contracts in developing an efficient and effective supply chain. Emphasis is placed on the dynamic nature of supply chain management of products and services given the impact of the global economy.

Prerequisite: OPMG 3302, OPMG 3305, OPMG 3310.

OPMG 3322

Logistics Management

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

The course studies the flow of raw material, energy, information, products, services, and people in a business. The course provides a system approach to managing activities associated with traffic, transportation, inventory management and control, warehousing, material handling, packaging, order processing, and information. Special attention is given to production logistics.

Prerequisite: OPMG 3302, OPMG 3305, OPMG 3310.

OPMG 3336

Management and Law

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course is an introductory study of local, state, federal and international law affecting organizational practices. The course focuses on the legal framework that is considered in managerial and entrepreneurial activities. Emphasis is given to the basic principles of law that shape managerial and entrepreneurial behavior.

Prerequisite: Junior standing.

OPMG 3337

Decision Making Economics

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course is a study of the role of economics in entrepreneurial and managerial decision making. The course includes the application of macro and microeconomics concepts in managerial problem solving. Emphasis is given to economic public policies and to the evolution of the global economy.

Prerequisites: ECON 2302, OPMG 3302.

OPMG 3338

Accounting for Managers

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course studies the role of accounting in the management of organizations. The focus is on the use of accounting information by non-financial managers. The emphasis of the course is on interpretation rather than construction of accounting information.

Prerequisites: ACCT 2301, OPMG 3302 and OPMG 3310.

OPMG 3340

Quality Assurance, Management and Improvement

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course examines the primary tools and methods used to monitor, improve and control quality in organizations. Topics include the historical development of quality management, the tools for quality improvement, and management strategies and contemporary quality strategies.

Prerequisite: OPMG 3302, OPMG 3305, OPMG 3310.

OPMG 4304

Safety and Risk Management

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course studies proactive management in addressing operation uncertainties in organizations. Topics include risk assessment, safety analysis and management methods and techniques used in business operations to minimize and control risks and safety. Emphasis is given to the costs as well as to the legal, ethical, and cultural environments surrounding risk and safety considerations.

Prerequisites: OPMG 3302, OPMG 3305, OPMG 3310.

OPMG 4312

Resource Management

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

An examination of the tools and methods used to manage the physical and personnel assets of an enterprise. Topics include inventory techniques, asset allocation, human resources, and financial management.

Prerequisite: OPMG 3302, OPMG 3305, OPMG 3310.

OPMG 4320**Organizational Design and Management Seminar**

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course is a critical study of specific organizational structures and operations. The course uses a case study approach based on real and significant cases. Thereafter, students work in teams on instructor-approved specific case projects. Teams identify problems and formulate, plan and implement actions using technology management problem solving approaches.

Prerequisites: OPMG 3305, OPMG 3336, OPMG 3338.

OPMG 4321**Project Management Seminar**

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course is an introduction to the project management approach in the management field. The course uses a seminar pedagogical approach, implying a strong student participation in course content review and student/student interaction. The course emphasis is on the project management process and tools. The course content addresses defining, planning, scheduling, organizing, and controlling projects. The typical example of case study projects to review are in the areas of construction, new businesses, information systems, special events, and product development. The course work requires managerial readings, class discussions, and one teamwork coursework project. Students are encouraged to work toward the Project Management Professional (PMP) certification.

Prerequisites: OPMG 4312.

OPMG 4341**Purchasing and Supply Management**

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

Examines management issues affecting the inflow and outflow of materials and services into organizations. Topics include purchasing activities, global sourcing, bidding, contract administration, and materials management.

Prerequisite: OPMG 3302, OPMG 3305, OPMG 3310.

OPMG 4342**Supply Chain Security**

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

The course studies the security of the supply chain. The course combines traditional practices of supply chain management with the security requirements of the system. The purpose is to study the creation, development, and enhancement of security practices that deal with concerns driven by threats such as terrorism, piracy, and theft. Special emphasis is given to transport and logistics systems in a global economy.

Prerequisites: OPMG 3302, OPMG 3305, OPMG 3310.

OPMG 4344**Entrepreneurship Seminar**

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course is designed to equip students with the fundamental skills and knowledge necessary to launch and manage successful business ventures. This course will explore five critical areas of entrepreneurship, fostering an entrepreneurial mindset and providing practical insights into the process from conception to execution.

Prerequisite: OPMG 3302, OPMG 3305, OPMG 3310, OPMG 3336, OPMG 4312.

OPMG 4347**Capstone: Operations Management**

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course immerses students in the workplace of a technology manager. The course work implies the construction of an e-portfolio that demonstrates the professional profile of the student. The portfolio has two components; one, the personal professional profile of the student based on the course work and extra academic work experiences. The second component is the execution of a hand-on case project related to technology management, e.g., operational management, inventory control, supply chain management, logistic, information management. The main factor in evaluating student performance is the input from outsiders to the academia.

Prerequisite: Senior standing and consent of the program coordinator.

OPMG 4353**International Business Seminar**

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course provides an overview of the international business environment. The course addresses economic, technological, social, political and cultural factors shaping the evolution of the global economy. Special emphasis is placed on changes in managerial functions and elements of the management process as a result of current global business evolution.

Prerequisite: ECON 2302, OPMG 3302, OPMG 3310.

OPMG 4355**The Manager and Civic Engagement Seminar**

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

This course uses seminar methodology studying the nature of management and its role in civic and community engagement. The course work emphasizes the role of the manager in shaping the setting of an organization in its environment considering social, political, technological, economic, ethical, cultural factors. Case studies give special attention to the cultural and ethical dimensions of the managerial functions in global community.

Prerequisite: OPMG 3310, OPMG 3336.