

SUPPLY CHAIN MANAGEMENT (SCMT)

Supply Chain Management Undergraduate Courses

SCMT 3000 MANAGERIAL ACCOUNTING FOR SUPPLY CHAIN MANAGEMENT (3 credits)

This course highlights the important role of a managerial accountant in managing a global supply chain and covers the key accounting techniques for supply chain management. (Cross-listed with ACCT 3000)

Prerequisite(s): ACCT 2020 with a grade of C (2.0) or better or ACCT 2000 with a grade of C (2.0) or better and cumulative GPA of 2.5 or higher. ENGL 1160 with a grade of 'C' (2.0) or better or concurrent enrollment in ENGL 1160. Not open to non-degree graduate students.

SCMT 3410 INTRODUCTION TO SUPPLY CHAIN MANAGEMENT (3 credits)

Supply chain management is the design and management of business processes needed to turn raw materials from suppliers into products and services that meet the needs of the final customer. The goals of this course center around providing students with the foundations of supply chain management and effectively managing the flow of goods, information, and services to obtain sustainable competitive advantage within an industry. Students will develop critical thinking skills focused on business process analysis and the use of key performance indicators to determine operational efficiencies for all organization levels. (Cross-listed with MGMT 3410, MKT 3410).

Prerequisite(s): Sophomore standing; GPA of 2.0 or better; or by permission of instructor. Not open to non-degree graduate students.

SCMT 3500 MANAGING OPERATIONS IN THE SUPPLY CHAIN (3 credits)

The course is designed to introduce students to strategic decisions in manufacturing and service operations. Students will learn how operations integrate all other business processes for competitive advantage. The course covers current applications of quality concepts, business process reengineering, supply-chain management, lean systems, and ERP systems for business operations efficiency and effectiveness.

Prerequisite(s): BSAD 2130 or 3160, ENGL 1160/ENGL 1164 or concurrent enrollment in ENGL 1160/1164 each with "C" or better and 2.5 GPA

SCMT 4060 HEALTHCARE ANALYTICS FOR BUSINESS (3 credits)

This course will focus on the mixing of analytics and technology to develop key performance indicators that integrate and evaluate clinical, administrative, and financial performance. Concepts in this course explore the intersection of information management, performance metrics, data visualization, and result communication spanning across the healthcare ecosystem. Topics covering health outcome analysis, financial performance, developing analytic strategies, data quality and governance, and the four stages of actionable intelligence are all used to educate the advantages of leveraging analytics. (Cross-listed with BSAD 8066, HLSC 8066, MGMT 8066, MGMT 4060, SCMT 8066).

Prerequisite(s): MGMT 3490 or SCMT 3410; GPA of 2.5 or better; or by permission of instructor. Not open to non-degree graduate students.

SCMT 4070 INTERNATIONAL LOGISTICS MANAGEMENT (3 credits)

This course will focus on the logistics of international trade and how managers facilitate the flow of goods and services in import and export environments. Students will learn about infrastructure and business practices needed to manage international transportation, communications, services, and regulatory requirements. Students will develop an understanding of international terms of trade, transaction risk management, and location decisions for placement of warehouses and distribution centers. (Cross-listed with BSAD 8076, HLSC 8076, SCMT 8076).

Prerequisite(s): SCMT 3410; GPA of 2.5 or better; or by permission of instructor. Not open to non-degree graduate students.

SCMT 4090 MANAGING COLLABORATIVE ENGAGEMENT (3 credits)

This course will provide students with the opportunity to develop knowledge and strategies for leading teams, enhancing collaboration, building consensus, problem solving in teams, facilitating group processes, and designing collaborative workspaces. (Cross-listed with ACMP 4090, BSAD 8096, MGMT 4090, MGMT 8096).

Prerequisite(s): Junior standing or permission of instructor. Not open to non-degree graduate students.

SCMT 4160 ENTERPRISE RESOURCE PLANNING SOFTWARE CONSULTING (3 credits)

Enterprise Resource Planning (ERP) consulting is designed to provide students foundational knowledge required to become a consultant working with enterprise systems. ERP systems are used by most organizations to manage and integrate the core functions of a business. Students will be exposed to a broad range of consulting skills that spans package selection to the implementation process. Students will work with a live instance of an ERP system focusing on the cross-functional integration of core business processes primarily in a manufacturing environment including finance, operations/supply chain, procurement, and fulfillment. The goal of the course is to provide students a foundation for careers in the area of ERP systems and consulting. (Cross-listed with ISQA 4160, ISQA 8166)

SCMT 4170 EMERGING TRENDS IN SUPPLY CHAIN MANAGEMENT (3 credits)

This course will focus on trends influencing supply chain management and design in the 21st century. Key concepts in this course will include contemporary opportunities and challenges in creating customer value via the supply chain with a focus on globalization and risk management. Specific topics will include the influence of the empowered customer on supply chain design, global supply chain trends, and the need for integration of technology and talent to create a competitive advantage. (Cross-listed with BSAD 8176, HLSC 8176, SCMT 8176).

Prerequisite(s): SCMT 3410/MKT 3410/MGMT 3410 Sustainable Supply Chain Management; Cumulative GPA of 2.5 or better; or by permission of instructor. Not open to non-degree graduate students.

SCMT 4330 PROJECT MANAGEMENT (3 credits)

This course focuses on the systemic exploration of planning and executing complex projects to create organizational success. Using a comprehensive understanding of principles, methodologies, and tools within project management, students will learn how to initiate critical processes, plan objectives and constraints, execute management and leadership, monitor budgets and development, and close outcomes of complex projects. Skills obtained from this course enhance individuals' ability to recognize, identify, and prioritize organizations' culture and structure to lead projects across various industries efficiently. (Cross-listed with BSAD 8336, HLSC 8336, MGMT 8336, MGMT 4330, SCMT 8336)

Prerequisite(s): MGMT3490 with a C or better and a 2.5 GPA; or permission of the instructor. Not open to non-degree graduate students.

SCMT 4350 GLOBAL SOURCING AND INNOVATION (3 credits)

This course focuses on global suppliers as partners in the development and commercialization of new products. Students will learn about open innovation and the integration of internal and external business systems in new product innovation. Students will develop an understanding of regulatory policies related to information sharing and the intellectual property rights of buyers and suppliers. (Cross-listed with BSAD 8356, HLSC 8356, SCMT 8356).

Prerequisite(s): SCMT 3410; GPA of 2.5 or better; or by permission of instructor. Not open to non-degree graduate students.

SCMT 4370 SUPPLY CHAIN ANALYTICS (3 credits)

This course focuses on integrating supply chain management through the use of key performance indicators. Key concepts in this course include data visualization, supplier performance metrics, service-dominant logic, and the supply chain for data. Specific topics include the influence of the empowered customer on supply chain metrics, using metrics to develop a competitive advantage, data-driven decision making, and the four stages of actionable intelligence. (Cross-listed with BSAD 8376, HLSC 8376, SCMT 8376).

Prerequisite(s): SCMT 3410 with a grade of C or above, at least a cumulative GPA of 2.5, or permission of instructor. Not open to non-degree graduate students.

SCMT 4380 INDUSTRIAL PURCHASING AND LOGISTICS MANAGEMENT (3 credits)

This course will focus on the strategic procurement of products and services in order to gain a competitive advantage through integrated supply management. Students will learn about strategic supply management, contract negotiation, and supplier quality management. Students will develop an understanding of supplier performance management through the use of supply chain information systems. (Cross-listed with BSAD 8386, HLSC 8386, MKT 4380, SCMT 4380, SCMT 8386).

Prerequisite(s): SCMT 3410; GPA of 2.5 or better; or by permission of instructor. Not open to non-degree graduate students.

SCMT 4440 QUALITY MANAGEMENT (3 credits)

This course approaches Quality Management from a practical quantitative-oriented point of view. Throughout this course, students will be introduced to all five steps of the six sigma continuous process improvement (Define, Measure, Analyze, Implement, and Control). The assignments are designed in project-based formats, in which students will initiate their own process improvement project and follow through with each step for a final grade. Upon the completion of this course, students will understand the ever-evolving nature of quality and quality management. They will also have practical experience in initiating and managing process improvement project at small scale and apply six sigma in their future work. (Cross-listed with BSAD 8446, MGMT 4440).

Prerequisite(s): MGMT 3490 with a C or better and a 2.5 GPA; or permission of instructor.

SCMT 4450 MANAGERIAL NEGOTIATION STRATEGIES (3 credits)

This course introduces students to the theory and practice of negotiation across various organizational settings. The ability to successfully negotiate an outcome is an important aspect of management and leadership. Negotiation can be used to determine multiparty relationships, manage conflict resolution, and improve organizational outcomes. Using a combination of conceptual frameworks, roleplaying exercises, and debriefing opportunities, the design of this course is structured to help students understand the power and influence negotiation has over the successful outcomes of managers, leaders, and organizations. (Cross-listed with BSAD 8456, HLSC 8456, MGMT 4450, MGMT 8456, SCMT 8456).

Prerequisite(s): MGMT 3490 with a grade of C or above, at least a cumulative GPA of 2.5, or permission of instructor.

SCMT 4460 SUPPLY CHAIN INTEGRATION (3 credits)

This course will focus on the integration of internal and external systems designed to maximize the efficiency and effectiveness of supply chain networks developed by industrial organizations, government agencies, and not-for-profit organizations. Key concepts will include supply chain design, trends in technology, and cross-functional collaboration, coordination, and communication along the value chain. Specific topics will include the influence of empowered customers on supply chain integration, global supply chain trends, closed-loop supply chains, and the challenges and benefits of integrating technology and talent in the workplace.

Prerequisite(s): SCMT 3410/MKT 3410/MGMT 3410 Sustainable Supply Chain Management; Cumulative GPA of 2.5 or better; or by permission of instructor. Not open to non-degree graduate students.

SCMT 4540 SUPPLY CHAIN MANAGEMENT INTERNSHIP (1-3 credits)

Students engage in part-time employment in supply chain management to gain relevant business experience and to practice the skills and concepts learned in the classroom. Work assignment must encompass duties related to the field of supply chain management (i.e., purchasing, scheduling, supplier relations, materials management, or logistics). (Cross-listed with MKT 4540).

Prerequisite(s): SCMT 3410, GPA of 2.5 or better, AND permission of instructor. Not open to non-degree graduate students.

SCMT 4550 COOPERATIVE EDUCATION IN BUSINESS ADMINISTRATION (3 credits)

Students participate in discipline-specific experiential learning activities designed to integrate academic concepts with real-world workplace experiences. The course is focused on the development and application of observation and critical thinking skills to make informed contributions to their organization. Students will create a body of work that will be assessed through self-reflection of the student, feedback from the employer, and evaluation by the instructor. The overall goal is to create a portfolio of work that demonstrates student achievements during the cooperative education experience. (Cross-listed with MGMT 4550).

Prerequisite(s): Full-time (Summer-only) 3 Credit Hours, Maximum COOP Credit Hours 15, MKT/SCMT/MGMT 3410 Introduction to Supply Chain Management and GPA of 2.5 or better; AND by permission of the instructor.

SCMT 4560 COOPERATIVE EDUCATION IN BUSINESS ADMINISTRATION (6-12 credits)

Students participate in discipline-specific experiential learning activities designed to integrate academic concepts with real-world workplace experiences. The course is focused on the development and application of observation and critical thinking skills to make informed contributions to their organization. Students will create a body of work that will be assessed through self-reflection of the student, feedback from the employer, and evaluation by the instructor. The overall goal is to create a portfolio of work that demonstrates student achievements during the cooperative education experience. (Cross-listed with MGMT 4560).

Prerequisite(s): Full-time (Fall and Spring Semesters only) 6-12 Credit Hours, Maximum COOP Credit Hours 15, MKT 3410/SCMT 3410/MGMT 3410 and GPA of 2.5 or better; AND by permission of the instructor.