

SUPPLY CHAIN MANAGEMENT (SCM)

SCM 302. Enterprise Resource Planning. 3 Hours.

This course provides an overview of enterprise systems and supply chain business processes, and introduces students to how enterprise systems are used to manage supply chains and make effective business decisions. Cross-listed with MIS 302. Credit cannot be awarded for both SCM 302 and MIS 302.

SCM 304. Principles of Supply Chain Management (SL). 3 Hours.

A firm supply chain includes all internal functions plus external suppliers involved in the identification and fulfillment of needs for materials, equipment, and services. Supply chain management lays the foundation for a successful business operation. This course integrates the principles of Experiential Learning and meets the criteria for service learning.

SCM 308. Project Management. 3 Hours.

This class is a study of the practices and methods used in managing projects. Project elements such as scheduling, organizing, implementing, control, and assessment will be discussed. The course focuses on using project management techniques appropriate for information systems projects.

SCM 310. Strategic Sourcing. 3 Hours.

This course is to introduce the key concepts and techniques that manage and improve supply chain processes from different industries and markets. At the completion of this course, skills will be gained to assess supply chain performance and make recommendations to increase supply chain competitiveness. This course integrates the principles of Experiential Learning (EL) and meets the criteria for project-based learning. Prerequisite: Junior standing.

SCM 324. Business Data Analytics I. 3 Hours.

This course introduces students to data analytics statistical methods used in addressing real world business problems. This course is designed to apply statistical concepts and perform data visualization using pivot tables, formatting, functions and Power BI. Topics covered include sampling distributions, confidence intervals, hypothesis testing, simple regression and multiple regression. Appropriate computer resources will be used. This course integrates the principles of experiential learning and meets the criteria for undergraduate research. Prerequisite: MATH 1342.

SCM 325. Business Statistics (EL). 3 Hours.

This course introduces students to statistical methods used in addressing real world business problems. Topics covered include sampling distributions, confidence intervals, hypothesis testing, simple regression, and multiple regression. Appropriate computer resources will be used. This course integrates the principles of Experiential Learning and meets the criteria for undergraduate research. Prerequisite: MATH 1342.

SCM 412. Transportation. 3 Hours.

This course presents the business process for transportation and logistics including all the activities required to move products, money, and information within the supply chain. Prerequisite: Junior standing.

SCM 434. Quality Analysis and Control. 3 Hours.

This course explores how quality integrates fundamental management techniques and technical tools under a disciplined approach. Prerequisite: SCM 325, or MATH 1325, or MATH 2413.

SCM 476. Business Data Analytics II. 3 Hours.

This course introduces predictive analytics and prescriptive analytics. Predictive analytics seeks to predict what could occur in the future, and includes forecasting techniques, data mining and Monte Carlo simulation. Prescriptive analytics investigates what should occur in the future and includes optimization models. Prerequisite: MGT 324 or SCM 324.

SCM 477. Logistics and Inventory Management. 3 Hours.

This course is designed to provide students with a deep understanding of logistics and inventory management, emphasizing the integration of supply chain components, strategic inventory control, and the application of technology in managing logistics networks.

SCM 478. Strategic Global Supply Chain Management. 3 Hours.

This course is designed to deepen students' understanding of global supply chain strategies, with a focus on how multinational companies effectively manage supply chains across diverse and complex international environments. Prerequisite: MATH 1342.

SCM 479. Negotiating in Supply Chain and in Business. 3 Hours.

This course is designed to equip students with the critical negotiation skills needed in supply chain management and business contexts. This course aims to bridge theoretical knowledge with practical negotiation techniques, emphasizing real-world application in supply chain scenarios. Prerequisite: MATH 1342.

SCM 489. Independent Study. 3 Hours.

This course provides individual instruction. Students may repeat the course when topics vary.

SCM 497. Special Topics. 3 Hours.

Instructors will provide an organized class designed to cover areas of specific interest. Students may repeat the course when topics vary.

SCM 512. Supply Chain Management Systems. 3 Hours.

The supply chain professional learns the basic techniques and concepts which includes building sales and operations plans. Prerequisite: Admission into the MBA program.

SCM 543. Purchasing and Quality Management. 3 Hours.

This course focuses on the management system, which is concerned with planning and meeting customer needs through leadership and strategic planning. Prerequisite: Admission into the MBA program.

SCM 554. Logistics and Transportation Management. 3 Hours.

This course focuses on the functional areas of logistics and transportation, with emphasis placed on the quantitative treatment of the design and planning issues in logistics. Prerequisite: Admission into the MBA program.

SCM 568. Supply Chain Management Financial Strategy and Profitability. 3 Hours.

This course includes case studies, examples, and in-depth analysis of technical issues involved in supply chain management, network design, and strategic partnering. The course engages students in managing a supply chain and provides a starting point for discussing the value of information in the supply chain, strategic partnering, and centralized decision making. This course is equivalent to both FIN 568 and ACCT 568. Prerequisite: ACCT 2301 and ACCT 2302, or ACCT 526.

SCM 589. Independent Study. 3 Hours.

This course provides individual instruction. Students may repeat the course when topics vary.

SCM 597. Special Topics. 3 Hours.

Instructors will provide an organized class designed to cover areas of specific interest. Students may repeat the course when topics vary.