

# SUPPLY CHAIN MANAGEMENT (SCMG)

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## **SCMG 1301. Project Management Essentials and Components. 3 Hours.**

Students explore the essential concepts of project management and learn to apply this knowledge using various applications. Students gain knowledge of project fundamentals including an understanding of the difference between predictive and adaptive project methodologies. Pre-req: None.

## **SCMG 3370. Operations Management. 3 Hours.**

Students address issues pertaining to the operations function within manufacturing and service firms competing in a global environment. The relationship of operations to other organizational functions are investigated. Topics may include decision making, project management, forecasting, capacity planning, facilities design and location, process and product design, inventory management, and quality assurance. Course Equivalents: MGMT 3370, MGMT 4370

**Prerequisite:** 42 credit hours, MGMT 3310, and BANA 2372 or MATH 1342.

## **SCMG 3372. Supply Chain Management. 3 Hours.**

This course is a study of how different organizations can effectively coordinate to form the supply chain of a product or a service in order to deliver it to end consumers at the lowest cost possible while optimizing customer service levels. Students will learn the managerial principles and methods used to efficiently perform the sourcing, production, and distribution of products and services in a global environment. Topics include purchasing, supplier selection/development, materials handling, demand planning, risk management, transportation, warehousing, inventory management, and channel relationships. Course Equivalents: MGMT 3372, MGMT 4360

**Prerequisite:** 42 credit hours, SCMG 3370 (concurrent enrollment allowed), MKTG 3310.

## **SCMG 3374. Strategic Sourcing/Procurement. 3 Hours.**

Students gain in-depth knowledge of the concepts, methods, and responsibilities of the purchasing function for manufacturing and service organizations. Topics may include the organizational role of strategic sourcing, procurement, contract and pricing practices, negotiation, quality assurance and reliability, inventory management, make-or-buy decisions, material management, and the acquisition of transportation and other services. Course Equivalents: MGMT 3374

**Prerequisite:** 42 credit hours and SCMG 3370.

## **SCMG 3376. Global Supply Chain Logistics. 3 Hours.**

Students focus on the basic concepts and techniques of domestic and international logistics in the context of supply chain management. Topics may include the efficient flow and storage of both raw materials and finished goods, and the associated managerial activities needed for effective control of materials from their initial point of origin to their final point of consumption. Emphasis is placed on the strategic importance and competitive advantage logistics provides in a global marketplace, providing students the tools and methods necessary to analyze business logistics problems. Course Equivalents: MGMT 3376

**Prerequisite:** 42 credit hours and SCMG 3370.

## **SCMG 4350. Project Management. 3 Hours.**

Students focus on the planning, implementation, and control of projects. Coverage includes the project management knowledge areas and lifecycle of projects. The appropriate intellectual foundation is established so that students can work, individually and in teams to solve project related problems. Course Equivalents: MGMT 4350

**Prerequisite:** 42 credit hours and BANA 2372 or MATH 1342.

## **SCMG 4365. Service Operations Management. 3 Hours.**

Students address issues pertaining to the operations function within service organizations competing in a global environment. The relationship of operations to other organizational functions are investigated. Topics may include understanding services, new service development, service quality, process improvement, location decisions, capacity planning, waiting lines, forecasting, inventory management, and service supply relationships. Course Equivalents: MGMT 4365

**Prerequisite:** 42 credit hours, BANA 2372 or MATH 1342, and MGMT 3310.

## **SCMG 4375. Quality Management. 3 Hours.**

Students study current topics in quality assurance management to include total quality control, statistical quality control, statistical process control, quality circles, and Deming's methods. An emphasis is placed on the systems approach to quality assurance. Course Equivalences: MGMT 4375

**Prerequisite:** 42 credit hours and BANA 2372 or MATH 1342.

## **SCMG 4376. Management Science. 3 Hours.**

In this course, students will learn quantitative methods used in the analysis of business problems. Topics include: decision theory, linear programming, transportation and inventory models, Bayesian probability, and queuing theory. Course Equivalents: BANA 3364, MGMT 4376

**Prerequisite:** 42 credit hours and BANA 2372 or MATH 1342.

## **SCMG 4378. Supply Chain ERP. 3 Hours.**

Students examine the tactical and operational management of supply chains using enterprise resource planning (ERP) systems. Topics focus on issues related to the creation of end-user value through supply chain cost reductions and/or service improvements. Students gain hands-on experience with software used by organizations to manage and improve the efficiency of their supply chains.

**Prerequisite:** 42 credit hours and SCMG 3372 (formerly MGMT 3372) Course Equivalents: MGMT 4378 .