

# SUPPLY CHAIN MANAGEMENT (BSCM)

## BSCM 294 | SPECIAL TOPICS IN SUPPLY CHAIN MANAGEMENT

**Units: 1-4 Repeatability: Yes (Repeatable if topic differs)**

An overview and analysis of selected topics in supply chain management. The course may be repeated if the topic changes. Prerequisites may change depending on the topic.

## BSCM 300 | GLOBAL PURCHASING AND SUPPLY MANAGEMENT

**Units: 3 Repeatability: No**

Emphasis on developing and maintaining successful supplier relationships in recognition of their critical importance to organizations. Systematic coverage of the process: strategic make vs. buy and outsourcing decisions; ethics and social responsibility; development of requirements; source selection; price determination and negotiation; quality management; supplier development; and relationship management. Combination of lectures, case studies and class discussions.

## BSCM 302 | INTRODUCTION TO SUPPLY CHAIN MANAGEMENT

**Units: 3**

Emphasis on the tactical and strategic decisions that match supply to demand. Topics covered include forecasting and evaluating customer demand, design and operation of distribution systems, and integration of operations and purchasing activities to deliver customer value. Overview of strategic supply chain design and the integration of internal and external partners. The roles of marketing, finance, engineering, purchasing and operations in the supply chain are examined. Combination of lecture, seminar, and case discussions.

## BSCM 303 | STRATEGIC COST MANAGEMENT

**Units: 3 Repeatability: No**

Prerequisites: ACCT 202 with a minimum grade of C- and BSCM 300 (Can be taken Concurrently) and ECON 101 with a minimum grade of C-

This course introduces and provides students an opportunity to apply modern cost management concepts, principles, and techniques in the supply chain management setting. Topics covered include an overview of manufacturing costs and cost-volume-profit analysis, activity-based management and activity-based costing, risk/opportunity costs and contract compensation agreements, and performance measurement. Additional topics include Total Cost of Ownership (TCO) analysis, net present value/return on investment analyses, outsourcing/make or buy analysis, and financial statement analysis as it relates to sourcing decisions.

## BSCM 305 | SUSTAINABLE GLOBAL SUPPLY CHAIN MANAGEMENT

**Units: 3 Repeatability: No**

**Core Attributes: Advanced writing competency**

**Non-Core Attributes: Undergraduate Research**

The increasing globalization of suppliers and customers has focused concern on issues of sustainable and socially responsible management across global supply chains. In this course, we explore the main risks, opportunities and practices we now see in global supply chain management relating to both conceptual and practical perspectives on sustainable practice. Mastery of subject matter will be developed through academic and applied research, and demonstrated by expository writing leading to production of a publishable quality final paper.

## BSCM 307 | SUPPLY CHAIN ANALYTICS

**Units: 3 Repeatability: No**

Advances in information technologies allow companies to collect data in the amount and speed that have never been before. For instance, Wal#Mart captured 20 million transactions per day in 2003 in their database system. A new question then arises: What can we learn from them to help us make better decisions? We will learn some of the techniques to help us address that question in operations management. This course develops advanced ability to use quantitative methods and Excel spreadsheet to build effective models for operational decisions. The course introduces analytical and modeling tools for operations and supply chain management topics including inventory control, supply chain network design, logistic planning, demand planning.

## BSCM 494 | SPECIAL TOPICS IN SUPPLY CHAIN MANAGEMENT

**Units: 1-4 Repeatability: Yes (Repeatable if topic differs)**

An in-depth analysis of selected topics in supply chain management. The course may be repeated if the topic changes. Prerequisites may change depending on the topic.

## BSCM 496 | UNDERGRADUATE RESEARCH

**Units: 1-3 Repeatability: Yes (Can be repeated for Credit)**

Students develop and/or assist in research projects in various fields of supply chain management under the supervision of a faculty member. Students will meet with a faculty member, with whom a research relationship is established, on an on-going basis to discuss the research project, assess the student's role and responsibilities, and to discuss the process of conducting scholarly research. Students may participate in a range of research activities, including but not limited to: survey construction and design, project management, participant solicitation, experimental research, qualitative interviewing, focus group moderation, fieldwork, literature searches, data entry, data analysis, critical analysis, political economy inquiries, and writing of instruments and manuscripts. Students must register with a specific faculty member with whom they complete a contract outlining the roles and responsibilities of the student and faculty member. A maximum of three units of undergraduate research may be used to satisfy requirements for the major. Requires professor and department chair approvals.

## BSCM 499 | INDEPENDENT STUDY

**Units: 1-3 Repeatability: Yes (Can be repeated for Credit)**

Independent study including empirical research and written reports. A maximum of 3 units of independent study may be used to satisfy requirements for the major.