

# SCM-SUPPLY CHAIN MANAGEMENT

## SCM 2113 Introduction to Logistics and Supply Chain Management 3 Credit Hours

Course is designed to familiarize and present business related topics to majors in other disciplines of study. Topics will vary and may encompass all divisions within the Price College of Business. (F, Sp)

## SCM 3113 Principles of Supply Chain Management 3 Credit Hours

Prerequisite: College of Business students only; Grades of C or better in ACCT 2113, B AD 1001, B C 2813, ECON 1113, ECON 1123, ECON 2843, MIS 2113, and MATH 1743 or MATH 1823 or MATH 1914; ACCT 2123 or concurrent enrollment. Firms of all kinds are attempting to improve their competitive positions by strategically managing the flow of raw materials, work-in-process inventories and finished goods. This course is built around the topic of managing the supply chain that plans, sources, makes and delivers an organization's good and/or services - from suppliers of raw materials through to the final customer. (F, Sp)

## SCM 3123 Procurement and Strategic Sourcing 3 Credit Hours

Prerequisite: SCM 3113; ACCT 2123 or concurrent enrollment; MATH 1743 or MATH 1823 or MATH 1914. Procurement and Strategic Sourcing addresses the processes that facilitate the structure, creation and management of value-added transaction and relationships between supplier and customer organizations in a channel, supply chain, and integrated value system context. (F)

## SCM 3223 Logistics Management 3 Credit Hours

(Crosslisted with MKT 3223) Prerequisite: MKT 3013 or concurrent enrollment and junior standing. The physical supply and distribution function in business management, including channel selection, transportation, facility location and materials management; concentrates on the analytical and managerial methods necessary for the development and control of an integrated logistics system. (F, Sp)

## SCM 3440 Mentored Research Experience 3 Credit Hours

0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)

## SCM 3523 Production/Operations Management 3 Credit Hours

Prerequisite: SCM 3113; ACCT 2123 or concurrent enrollment; MATH 1743 or MATH 1823 or MATH 1914. A study of the principles and practices related to production and operations management including product decisions, process planning, project planning, work measurement, plant location, facilities layout, scheduling and associated analytical techniques. (F, Sp)

## SCM 3960 Honors Reading 1-3 Credit Hours

1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)

## SCM 3970 Honors Seminar 1-3 Credit Hours

1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)

## SCM 3980 Honors Research 1-3 Credit Hours

1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)

## SCM 3990 Independent Study 1-3 Credit Hours

1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)

## SCM G4003 Global Supply Chain Management 3 Credit Hours

Prerequisite: SCM 3113, SCM 3123, SCM 3223, SCM 3523; ACCT 2123 or concurrent enrollment; MATH 1743 or MATH 1823 or MATH 1914. Overview of current transportation and supply chain management practices, which is a dynamic process involving a constant flow of information, products, and funds between the supplier, manufacturer, wholesaler, retailer and the consumer. Includes a review of current case studies and provides managerial insights into what is considered the best practices. (F, Sp)

## SCM G4013 Supply Chain Modeling and Decision Making 3 Credit Hours

Prerequisite: SCM 3113, SCM 3123, SCM 3223, SCM 3523; ACCT 2123 or concurrent enrollment; MATH 1743 or MATH 1823 or MATH 1914. This course involves the development and application of analytical techniques to model complex supply chains to address strategic, tactical and operational issues. We will address how decisions relating to forecasting, resource allocation, transportation, project management, inventory management and supply networks can be improved through the use of analytical models. (F)

## SCM G4633 Healthcare Supply Chain Management 3 Credit Hours

(Crosslisted with HCB 4633) Prerequisite: MKT 3613 or HCB 3613; ACCT 2123 or concurrent enrollment; MATH 1743 or MATH 1823 or MATH 1914. The healthcare supply chain is a critical core business component of the healthcare delivery system. The purpose of this course is to bring an overview of the healthcare supply chain through the elements of the supply chain, the operational aspects and the strategic aspects of the integration of the supply chain with the clinical delivery of care. (F, Sp)

## SCM 4643 Lean Six-Sigma Methodology 3 Credit Hours

(Crosslisted with HCB 4643) Prerequisite: College of Business students only; MKT 3013. Lean Six Sigma Methodology is designed to provide a step-by-step guide to the DMAIC process, which will provide a valuable continuous improvement framework for students to address problems in the healthcare industry and other sectors of business. Students will be given a thorough overview of Lean Six Sigma. (F, Sp)

## SCM 4663 Applied Strategic Projects 3 Credit Hours

(Crosslisted with HCB 4663) Prerequisite: College of Business students only; MKT 3013. Supply chain management is of critical importance to businesses, households and the health and welfare of the country and the world. This course will provide an overview of current supply chain management practices, which is a dynamic process that involves a constant flow of information, products, and funds between the supplier, manufacturer, wholesaler, retailer, and the consumer. (F, Sp)

## SCM 4960 Directed Readings 1-4 Credit Hours

1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)

**SCM 4970 Special Topics/Seminar 1-3 Credit Hours**

1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)

**SCM 4990 Independent Study 1-3 Credit Hours**

1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)

**SCM 5402 Logistics, Distribution and Transportation Management 2 Credit Hours**

Prerequisite: Graduate Standing; departmental permission; and SCM 5502 or concurrent enrollment. This course explores logistics, distribution, and transportation management by leveraging current events and case studies. Topics include planning, controlling, implementing, forwarding, and reversing the flows of goods, services, and information. This is an integrated course meant to offer a framework to improve personal managerial skills and professionalism in supplies management practices through analyzing logistics activities. (Irreg.)

**SCM 5422 Strategic Sourcing and Supply Management 2 Credit Hours**

Prerequisite: Graduate Standing; departmental permission; and SCM 5502 or concurrent enrollment. Recognized as one of the key areas in supply chain management, strategic sourcing and supply management plays a role in maximizing value in the integrated supply chain. We will discuss advanced concepts, analytical tools, strategic and practical issues, and solutions in strategic sourcing and supply management across multiple major industry sectors. (Irreg.)

**SCM 5502 Fundamentals of Supply Chain 2 Credit Hours**

Prerequisite: Graduate standing; departmental permission. This course dives into the fundamentals of supply chain and is divided into five sections, including (1) supply chain management: an overview, (2) supply issues in supply chain management, (3) operations issues in supply chain management (4) distribution issues in supply chain management, and (5) integration issues in supply chain management. (F)

**SCM 5522 Planning and Operations Management 2 Credit Hours**

Prerequisite: Graduate standing; departmental permission. In this course, we will discuss advanced concepts of operations planning, operations functions, current operations management practices, analytical techniques related to operations management problems, and applying these concepts and techniques in practice. (Irreg.)

**SCM 5562 Supply Chain Excellence in a Global World 2 Credit Hours**

Prerequisite: Graduate Standing; departmental permission; and SCM 5402 or concurrent enrollment; and SCM 5422 or concurrent enrollment; and SCM 5522 or concurrent enrollment. Supply Chain is truly global in today's world markets, and an up-to-date perspective is needed as the world is changing daily. Logistics is a key driver of globalization, and a facilitator of international trade and development with an ever search for excellence. We will focus on interdependent flows: materials, data, and resources worldwide, with a lens on quality and distinction. (Irreg.)

**SCM 5572 Modeling, Analytics, and Decision Making 2 Credit Hours**

Prerequisite: Graduate standing; departmental permission; and SCM 5402 or concurrent enrollment; and SCM 5422 or concurrent enrollment; and SCM 5522 or concurrent enrollment. This course will provide an overview of analytical techniques used to model complex supply chain problems to address strategic, tactical, and operational issues. We will address how decisions relating to forecasting, resource allocation, transportation, project management, inventory management, and supply networks can be improved by analytical models. (Irreg.)

**SCM 5582 Current Topics in Supply Chain Management 2 Credit Hours**

Prerequisite: Graduate standing; departmental permission; and SCM 5402 or concurrent enrollment; and SCM 5422 or concurrent enrollment; and SCM 5522 or concurrent enrollment. Supply chain management occurs in a world that is constantly changing. This course is designed to examine the current issues and challenges that face the supply chain managers and executives during the period that this course is taught. (Irreg.)

**SCM 5602 Integrated Supply Chain Capstone 2 Credit Hours**

Prerequisite: Graduate standing; departmental permission; and SCM 5562 or concurrent enrollment; and SCM 5572 or concurrent enrollment; and SCM 5582 or concurrent enrollment. The student will gain an understanding of strategic sourcing and SCM and will develop critical thinking skills involving how the components of supply chain management work together to create value. The student will be introduced to decision analytic tools and their use in decision-making in SCM to develop an appreciation of the impact on the performance of the company. (Irreg.)

**SCM 5960 Directed Readings 1-3 Credit Hours**

1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)

**SCM 5970 Special Topics/Seminar 1-3 Credit Hours**

1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)

**SCM 5990 Independent Study 1-3 Credit Hours**

1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)

**SCM 6960 Directed Readings in Supply Chain Management 1-4 Credit Hours**

1 to 4 hours. Prerequisite: graduate standing; permission of instructor, permission (Director, Price College of Business Graduate Programs). May be repeated as needed by Ph.D. students. Special reading programs are designed to enable graduate students (1) to extend their study to fields of supply chain management that are not covered in other courses and/or (2) to provide an opportunity for more extensive or intensive study of subjects covered in other courses. (F, Sp, Su)

**SCM 6970 Special Topics/Seminar 1-3 Credit Hours**

1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)

**SCM 6980 Research for Doctoral Dissertation 2-16 Credit Hours**

2 to 16 hours. Prerequisite: Graduate standing and permission of instructor; may be repeated. Directed research culminating in the completion of the doctoral dissertation. (F, Sp, Su)

**SCM 6990 Independent Study 1-3 Credit Hours**

1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)