

# INTEGRATED SUPPLY CHAIN MANAGEMENT (ISCM)

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## **ISCM 7100 International Supply Chain Management 3 Credits**

This course focuses on the importance of international supply chain management. It provides an overview of international logistics, global strategy for logistics and supply chain management, as well as structuring of the global supply chain. The international trade environment, total cost approach of materials, competitive relationships among international organizations, exchange fluctuations, practices of import/export, and other related topics will be explored.

**Components:** Class

**Prereqs/Coreqs:** P. BUSADMIN 6100 or enrollment in MS: Strategic Management program

## **ISCM 7500 Supply Chain Logistics 3 Credits**

Introduction to the logistics system of an organization. Procedures and techniques for the design and analysis of transportation, material handling, and inventory. Examining the interdependencies between the logistics system and wider organizational activities.

**Components:** Class

**Prereqs/Coreqs:** P. ISCM 7100

## **ISCM 7510 Import/Export 3 Credits**

This course covers the major facets of the import-export transactions and procedures required to do business overseas successfully. The focus is on practical applications, ranging from understanding the objectives of parties involved in importing and exporting to basics of letters of credit, packaging, and transporting shipments. The course will cover cross-cultural differences, role of banks and freight forwarders; foreign currency management; and documents used in international trade. (subject to addition and change as course is further developed)

**Components:** Class

**Prereqs/Coreqs:** P. ISCM 7100

## **ISCM 7520 Warehousing and Distribution Management 3 Credits**

This course provides students with an understanding of the concepts and theories that drive the effective management of an organization's warehousing and distribution systems. The course will cover topics that include warehousing Layout, Design Configuration, Receiving, Delivery, Material Storage, as well as Distribution strategies, Distribution Network planning, Distribution ERP systems (WMS), System routing, Cross-dock, trucking tracking. Lean Supply Systems: JIT/Push, Shipping and Transportation mechanisms.

**Components:** Class

**Prereqs/Coreqs:** P. ISCM 7100

## **ISCM 7610 Outsourcing 3 Credits**

This course will provide a historical perspective on outsourcing and offshoring, the marketplace, and the incentives for firms around the globe to tap into sourcing opportunities. It will examine the various sourcing arrangements available according to the nature of work outsourced. the geographical aspects in sourcing decisions, as well as examining certain vendor characteristics and desired core capabilities of the vendor. It will consider vendor selection strategy and outsourcing lifecycle from a client's viewpoint. Finally it will review trends and emerging issues in the area of global sourcing, including reshoring. (subject to addition and change as course is further developed)

**Components:** Class

**Prereqs/Coreqs:** P. ISCM 7100

## **ISCM 7700 Customer Relationship Management 3 Credits**

Customer Relationship Management (CRM) is a business strategy that aims to understand, anticipate and manage the needs of an organization's current and potential customers. This course will introduce critical concepts and methods such as customer value, customer asset value, CRM vision and strategy.

**Components:** Class

**Prereqs/Coreqs:** P. ISCM 7100

## **ISCM 7710 Supply Chain Customer Synchronization 3 Credits**

The course highlights the principles and concepts of Supply Chain Customer Synchronization, and provides an overview of detailed procedures and techniques for the design, implementation, and control of strategies to better align with key customers. This course will highlight the importance of supply chain customer synchronization as organizational strategy, provide an overview of specific customer synchronization strategies, and discuss challenges to synchronizing with key customers.

**Components:** Class

**Prereqs/Coreqs:** P. ISCM 7700

**ISCM 7720 Reverse Logistics 3 Credits**

The course highlights the principles and concepts of reverse logistics, and provides an overview of detailed procedures and techniques for the design, implementation, and control of reverse logistics strategies. The topics covered in this course will be: customer returns, product value extraction, cross functional collaboration, reverse logistics revenue costs reduction strategies, and reverse logistics revenue generation strategies. The focus of the course will be on reverse logistical flows starting with the customer. As a result, customer behavior and coordination will be key elements pertaining to each of the topics above.

**Components:** Class

**Prereqs/Coreqs:** P. ISCM 7700

**ISCM 7840 Integrated Supply Chain Management Capstone 3 Credits**

This course draws on the concepts, theories and techniques, specifically emphasizing the role of the supply chain manager in implementing and accomplishing project plans and objectives. Students may draw on topics from their workplace or may choose from projects provided by companies in our local area requesting consulting services in developing feasibility studies and project proposals. Note that the ability to assign such a "real world" project depends on the availability of companies interested in such analyses at the time. P. Consent of instructor and all required foundation and core courses.

**Components:** Class

**ISCM 7920 Seminar Paper Research 3 Credits**

Based on individual interest and consultation with an advisor, the student will be required to write an advanced research paper on a specific topic; the independent empirical research should serve as a capstone to the student's education experience and as a bridge to the student's future in the supply chain management discipline. P. all coursework toward the degree must be completed prior to registering for ISCM 7920.

**Components:** Seminar

**ISCM 7940 Special Topics in Integrated Supply Chain Management 1-3 Credits**

Designed to present to students specialized topics in the field of Integrated Supply Chain Management depending upon interest of students and approval of staff.

**Components:** Class

**Prereqs/Coreqs:** P. ISCM 7100

**ISCM 7980 Independent Study in Integrated Supply Chain Management 1-4 Credits**

The amount of graduate credit allowed for independent study may not exceed a total of four credits except with the special permission of the student's advisor and the graduate dean. Approval must be secured from the department faculty member and the student's advisor before independent study courses are begun by completing a form available from the program staff. This form must include a description of the subject to be covered and must be submitted before registration will be approved. P. ISCM 7100 and consent of instructor or department chair.

**Components:** Independent Study

**ISCM 7990 Thesis Research 3 Credits**

Completion and defense of a carefully delineated scholarly work advancing an original point of view as a result of research. The topic chosen must reflect the student's area of emphasis, if any, and must be approved by a thesis committee. P. INDUSTDY 7000 and completion of all other coursework.

**Components:** Thesis Research