Supply Chain Management

I. General Information

- Course number: SCM 614
- Title: Supply Chain Management
- Units: 3
- Prerequisites: Graduate standing
- SCO Prepared by: Dr. Ming Chen
- Date prepared: January 15, 2013

II. Catalog Description

Introduce the concepts, insights and tools for the effective management of the supply chain. Emphasize on both strategic and tactical decisions. Topics include inventory management, value of information, network design, distribution strategies, strategic alliance, revenue management, and international issues. Letter grade only (A-F).

III. Curriculum Justifications

This course is intended to provide an in-depth coverage of various topics related to supply chain management in today's global environment. Students are expected to learn key concepts, state-of-the-art models, and practical tools in the design, planning, operation, and management of supply chain systems. This course emphasizes students' problem-solving skills via extensive case studies. Students will learn several computer-based tools for solving practical problems. The course is designed in line with CBA learning goals. In particular, the course emphasizes analytical, reasoning, and problem solving skills. Embedded in the specific subject matter of the course is an appreciation of the following CBA graduate learning goals:

- Critical Thinking (General)
- Business Functions (Management-specific)
- Quantitative & Technical Skills (Management-specific)
IV. **Course Objectives**

This course introduces students to the concepts of value-driven supply chains. The course focuses on the fundamental principles underlying supply chains, using insights from both operations management and logistics. Emphasis will be given to both long term strategic decisions involving the investment in productive resources, design of distribution network, selection of business partners, and short term tactical decisions involving the positions of inventories, demand management, and aggregate planning. To be more specific, students will learn how to design, plan, operate and manage effective supply chain systems in order to meet customer demand while maintaining crucial cost advantage. In addition, students will be introduced to several computer-based decision-support systems and learn how to use these tools to make better decisions in supply chain management. Extensive cases examples will be used to enhance students’ problem-solving skills. Upon completing this course, students are expected to achieve the following learning objectives:

- Identify the key links in a supply chain that drives performance.
- Find systematic and structured ways of dealing with complex supply chain management problems, and propose rational, sensible, practical recommendations to problems based on analysis.
- Build skills in problem solving and analysis through selected supply chain models and computer-based decision-support systems.
- Develop team leader and interpersonal skills, and build competency to lead a team and tackle practical supply chain problems.

V. **Outline of Subject Matter**

Possible topics include

- Supply chain strategies
- Network configuration
- Inventory management and risk pooling
- The value of information
- Distribution strategies
- Strategic alliance
- International issues in supply chain management
- Pricing and revenue management
- Aggregate planning
- Information technologies

Instructors should cover at least 70% of these topics and may add additional related topics as well.

VI. Methods of Instruction

Instructors should use appropriate instruction methods in line with course objective and learning goals. Possible instruction methods include:

- Class lecture
- Case discussion
- Individual/team project
- Homework assignments
- Presentation
- Field trip
- Simulation

There is no required textbook for this course. The following textbook is recommended:


VII. Instructional Policies Requirements

a) Instructional policies should be consistent with the course description stated in Section II, and should serve the course objectives listed in section IV of this SCO.

b) Instructors should enforce policies regarding to plagiarism, withdrawal, absences, etc., that are consistent with the University policies published in the CSULB Catalog. It is expected that every course will follow University policies on Attendance, Course Syllabi, Final Course Grades, Grading Procedures, Final Assessments, and Withdrawals. If some or all sections of the course are to be taught, in part or entirely, by distance learning in the future, the course must follow the provisions of PS 03-11, Academic Technology and the Mode of Instruction.

c) All sections of the course will have a syllabus that includes the information required by the syllabus policy adopted by the Academic Senate. Instructors will include information on how students may make up work for excused absences. When class participation is a required part of the course, syllabi will include information on how participation is assessed.
d) **Students with Disabilities.** Students with disabilities are responsible for notifying their instructor as early as possible of their needs for an accommodation of a verified disability. A student with a disability is urged to consult with Disabled Student Services as soon as possible in order to identify possible accommodations to enhance academic success.