Supply Chain Management

I. General Information

- Course number: SCM 414
- Title: Supply Chain Management
- Units: 3
- Prerequisites: MGMT 300, IS 301
- SCO Prepared by: Dr. Ming Chen
- Date prepared: October 11, 2012

II. Catalog Description

Management of value creation and the dynamic interaction of companies within a supply chain. Topics include supply chain drivers and performance, network planning, inventory positioning, supply chain coordination, and information sharing. Contemporary practices are discussed. Letter grade only (A-F).

III. Curriculum Justifications

This course is intended to provide an in-depth coverage of various topics related to decision-making in the business context. 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 undergraduate learning goals:

- Critical Thinking (General)
- Business Functions (Management-Specific)
- Quantitative & Technical Skills

IV. Course Objectives

Supply chain management involves managing the flow of information, funds and products among all stages of the supply chain in order to meet customer demand while maintaining crucial cost advantage. To minimize system-wide costs, firms are relying increasingly on new tools for modeling the full supply chain that integrate the firm's logistics and
operations. We will integrate issues from marketing (channels of distribution), logistics, and operations management to develop a broad understanding of a supply chain. We will focus on both long term strategic decisions involving the investment in productive resources, configurations of processes, and short term operational decisions involving the positions of inventories, demand management, and sales and operational planning. The course focuses on the fundamental principles underlying supply chains, using insights from both operations management and logistics. Spreadsheet based tools and techniques will extensively be utilized in building various decision models for effective decision making in supply chains. Course Objectives include:

- Identify the key links in a supply chain that drives performance.
- Find some 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.

V. **Outline of Subject Matter**

Possible topics include

- Supply chain strategy
- Supply chain drivers and metrics
- Inventory models
- Supply chain coordination
- Sales and operations planning
- Demand forecasting
- Pricing and revenue management
- Network design
- Sourcing
- Sustainability
Instructors should cover at least 60% 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 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.