

## E Business and Supply Chain Management

**Professor:** Wei-Shiun Chang

**Meeting Times:**

**Office:** YungPing East 27811,

**Location:** 62203

**Phone:** 06-27575757 ext.53566

**Office Hour:**

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### Course Description:

This course will cover both strategic as well as operational issues in supply chain and logistics management. Topics covered include strategic principles in logistics management, supply chain and logistic system design, demand and inventory management, logistics customer service, logistics information systems, order processing, transportation management, warehousing and materials handling. Recent developments in supply chain management such as third party logistics, quick response/efficient consumer response, vendor managed inventory, the bull-whip effect, cross docking, etc will also be covered.

### Course Objectives:

1. To understanding of the conduct of supply chain operations.
2. To understanding of logistics operating areas and their interrelationship.
3. To understand the implications of a customer-focused logistics strategy.
4. To strengthen integrative management analytical and problem-solving skills.

### Teach Approaches:

Lecture: 50% Lecture , Case Study: 30%, Discussion: 20%

### Course Text: (Other readings are listed below)

*Bowersox, Donald J., David J. Closs, M. Bixby Cooper, Supply Chain Logistics Management. 5th edition, McGraw-Hill Irwin.*

**Grading:** Grading for this course will come from four sources- Participation (Attendance) (10%), Group Term Project (40%), Individual Presentation (20% each), and Exams (20%), Discussion (10%).

**Discussion:** Students are encouraged to engage in class discussion. Participation will be evaluated based on the frequency and the quality of the engagement in discussion.

**Term Project:** Students (with a group of 3-4 students) are asked to conduct a literature review with a topic that is relevant to the class. The review is between 15 ( $\pm 2$ ) pages, single-space, reference excluded, minimum 20 research articles (need 40% from suggested journal list below, and 25% from since 2015) . The review needs to contain a systematic analysis, e.g. typology, trend, etc, and potential research questions (at least 5 legit questions). Students will present your group's topic (within 5 slides, 10 minutes) during the semester and submit the completed writing at the end of semester by June 21<sup>st</sup> 17:00.

**Individual Presentation:** You will be asked to present firms' exercises of their supply chain management relevant to the topic we cover in the class (in a particular week). The length of the presentation is 10 minutes. Send your PPT to Moodle a day before your presentation by 5pm. If you want to share some materials to read or to view, e.g. youtube clip, please upload the information/materials to moodle two days before your presentation day. Each student will present one case. You need to identify the case and get the approval from me (the key to get approved is that the topic is relevant and interesting) and search the related material

with due diligence.

**Exams:** There will be a final exam.

### Course Policies

1. Cell phone should be turned off or on silent mode during class. If you really need to use a cell phone, please step outside and talk quietly.
2. Chatting (not related with the course) or eating during the lecture is considered rude unless you have prescription from your psychiatrist or physician. I won't be too hard on this but you should keep in mind not to disturb your fellow students.
3. A failing mark will be given if the conduct of plagiarism/cheating is confirmed (for the part of the project and homework).
4. Religiously observant students wishing to be absent on holidays that require missing class should notify me in writing at the beginning of the semester, and should discuss with me, in advance, acceptable ways of making up any work missed because of the absence.

### Tentative Course Outline and Readings:

週次 Week	進度説明 Progress Description
2/19	1. Introduction and Overview of the Course
2/26	2. Logistics
3/5	3. Customer Relation Management
3/12	4. Procurement
3/19	5. Manufacturing
3/26	6. Integrated Operations Planning
4/2	7. Inventory I
4/9	8. Inventory II
4/16	9. Talk/Field Trip
4/23	10. Transportation
4/30	11. Warehousing
5/7	12. Global Supply Chain
5/14	13. Network Design
5/21	14. Operation Analysis
5/28	15. Collaboration
6/4	16. Performance Measurement
6/11	17. Supply Chain Disruption and Risk and Sustainability
6/18	<b>Final Exam</b>

有關課程其他調查 Other surveys of courses (We have scheduled a talk, but may have be replaced with field trip)

1.本課程是否規劃業界教師參與教學或演講?

Will this course plan on inviting industry specialists for teaching or speech?

☒ 是 Yes , 約 \_\_\_\_\_ 次 About \_\_\_\_\_ times

☐ 否 No

2.本課程是否規劃內含校外實習 (並非參訪)?

Will this course plan industry practice for student? (not visiting)

☐ 是 Yes , 約 \_\_\_\_\_ 次 About \_\_\_\_\_ times

☒ 否 No

Suggested journal list

Management Science
Production and Operations Management
European Journal of Operational Research
Omega
Operations Research
Journal of Operations Management
Manufacturing and Service Operations Management
Decision Sciences
Journal of the Operational Research Society
International Journal of Production Research
Naval Research Logistics
Operations Research Letters
International Journal of Production Economics
International Journal of Physical Distribution & Logistics Management
Annals of Operations Research
International Journal of Logistics Management
Transportation Research Part E: Logistics and Transportation Review
Supply Chain Management: An International Journal
Journal of Supply Chain Management
International Journal of Operations and Production Management
Operational Research - An International Journal
Journal of Business Logistics
International Transactions in Operational Research
Journal of Purchasing & Supply Management
Decision Analysis
Journal of Intelligent Manufacturing
Operations Management Research