

**Department of Transportation & Communication Management Science**  
**H532200 Supply Chain Management (供應鏈管理) Fall 2020**

1. *This mission of the College is to serve business and society in the global economy through developing quality and socially responsible professionals and business leaders.*
2. *The strategic objective of the Department of Transportation and Communication Management Science is to incubate innovative professionals with global mind in ubiquitous services.*

**General Program Learning Goals** (goals covered by this course are indicated):

V	1	Graduates should be able to communicate effectively verbally and in writing.
V	2	Graduates should solve strategic problems with a creative and innovative approach.
V	3	Graduates should demonstrate leadership skills demanded of a person in authority.
V	4	Graduates should possess a global economic and management perspective.
V	5	Graduates should possess the necessary skills and values demanded of a true professional.

**Instructor:**

Dr. Pei-Chun Lin, Ph.D (林珮琿)

TEL: 53222

Email: [peichunl@mail.ncku.edu.tw](mailto:peichunl@mail.ncku.edu.tw)

Office hour: Monday 13:00~15:00 or by appointment

**Course Description:**

Supply chain management is a set of approaches utilized to efficiently integrate suppliers, manufacturers, warehouses and stores, so that merchandise is produced and distributed at the right quantities, to the right locations and at the right time, in order to minimize system-wide costs while satisfying service level requirements. Supply chain management encompasses the management of all activities involved in sourcing, procurement, production, logistics and customer relations. It also includes the crucial components of coordination and collaboration with channel partners, which can be suppliers, intermediaries, third-party service providers, and customers.

**Course Objectives:**

- ✓ To provide a solid grounding in understanding the concepts of supply chain.
- ✓ Identify the major causes of dynamics in a supply chain.
- ✓ Identify key levers and performance measures for improving supply chain performance.

**Content Summary:**

1	9/07	Introduction
2	9/14	Operations and Supply Chain Management
3	9/21	Process Analysis
4	9/28	Quality and Performance
5	10/05	Capacity Planning

6	10/12	Constraint Management; Lean Management
7	10/19	Midterm 1
8	10/26	Term Project Presentation I – designated topics
9	11/02	Project Management
10	11/09	Forecasting
11	11/16	Inventory Management
12	11/23	Operations Planning and Scheduling
13	11/30	Resource Planning & ERP
14	12/07	Midterm 2
15	12/14	Beer Game
16	12/21	Term Project Presentation II – selective topics
17	12/28	? Plant Tour - AirAsia
18	01/04	Final week

**Textbook:** Operations Management: Processes and Supply Chains, Krajewski, Ritzman, and Malhotra, Pearson Education.

**Recommended references:**

Principles & tools for Supply Chain Management / Webster, McGraw-Hill (新陸書局)

Designing and Managing the Supply Chain: Concepts, Strategies and Case Studies, by Simchi-Levi, Kaminsky and Simchi-Levi

**Course Requirement:** Student evaluation will be done on the basis of homework and term projects. Student attendance and participation in all lectures and sections is expected and required.

**Grading Policy:** Midterms: 60%; Term projects: 30%; Class participation: 10%

**Marking Policy in the AACSB sense:**

		Midterms 60%	Class Participation 10%	Term Projects 30%
<b>COMMU</b>	<input checked="" type="checkbox"/> Oral Communication/ Presentation			20%
	<input checked="" type="checkbox"/> Written Communication			20%
<b>CPSI</b>	<input checked="" type="checkbox"/> Creativity and Innovation			30%
	<input checked="" type="checkbox"/> Problem Solving			30%
	<input checked="" type="checkbox"/> Analytical and Computational Skills	50%		
<b>VSP</b>	<input checked="" type="checkbox"/> Values, Skills & Profession		100%	
	<input checked="" type="checkbox"/> Technical Skills	50%		