



UNIVERSITAS INDONESIA
FACULTY OF ECONOMICS AND BUSINESS
International Undergraduate Program

SYLLABUS
[ECMU605081] LOGISTICS AND SUPPLY CHAIN MANAGEMENT
Odd Semester 2021/2022
Credit: 3
Prerequisite:
[MGMT15011] Operation Management

Lecturers:

No	Name	Email
1	Rr. Ratih Dyah Kusumastuti, Ph.D. / Rizky Luxianto	ratih.irzan@gmail.com

Tutor:

A. Subject Description

The course explores the key issues associated with the design and management of the supply chain. 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. One of the primary objectives of supply chain management is to minimize the total supply chain costs while still satisfying various service requirements

B. Text Books / Readings

1. Chopra, Sunil, Peter Meindl, *Supply Chain Management: Strategy, Planning and Operation*, 5th Edition, Pearson, 2013. (CHO)

Additonal Reference:

2. Simchi-Levi, David, Philip Kaminsky, Edith Simchi-Levi, *Designing and Managing The Supply Chain: Concepts, Strategies and Case Studies*, 3rd Edition, McGraw-Hill International Edition, 2008. (SIM)

C. Course Objectives

The objectives of this course:

- The students are able to explain the importance of supply chain management in business operation.
- The students are able to explain and implement the basic principles of supply chain management.
- The students are able to explain the implementation of supply chain management principles in the real world.

In addition the students will:

1. Develop technical skill
2. Develop analytical skill
3. Develop systemic thinking skill
4. Develop team work skill
5. Develop presentation skill
6. Develop communication skill
7. Develop writing skill

D. Teaching and Learning Methods

1. Active lecturing

2. Case discussion
3. Problem exercise
4. Experiential learning

E. Assessment

Descriptions	Weight
Quiz & Participation	10%
Case Analysis	10%
Group Project	20%
Mid-Term Exam	30%
Final-Term Exam	30%
Total	100%

F. Attendance

In accordance with the rules set by Faculty of Economics and Business, Universitas Indonesia, 80% minimum attendance is required to take the final exam and to pass the course.

J. Outline Course

Session	Topic	Literature
1	<ul style="list-style-type: none"> Course Overview Introduction to Supply Chain Management 	SIM Ch.1 & CHO Ch. 1
2	<ul style="list-style-type: none"> Supply Chain Performance 	CHO Ch. 2
3	<ul style="list-style-type: none"> Supply Chain Drivers and Metrics 	CHO Ch. 3
4	<ul style="list-style-type: none"> Designing Distribution Networks and Applications to online Sales 	CHO Ch. 4
5	<ul style="list-style-type: none"> Network Design in Supply Chain & Global 	CHO Ch. 5 & Ch. 6
6	<ul style="list-style-type: none"> Demand Forecasting in a Supply Chain 	CHO 7
7	<ul style="list-style-type: none"> Aggregate Planning in a Supply Chain 	CHO Ch. 8
MID-TERM EXAMINATION		
8	<ul style="list-style-type: none"> Managing Economies of Scale in a Supply Chain 	CHO Ch. 11
9	<ul style="list-style-type: none"> Managing uncertainty in a Supply Chain and Determining the Optimal Level of Product Availability 	CHO Ch. 12 & 13
10	<ul style="list-style-type: none"> Transportation in a Supply Chain 	CHO Ch. 14
11	<ul style="list-style-type: none"> Sourcing Decisions in a Supply Chain 	CHO Ch. 15
12	<ul style="list-style-type: none"> Pricing and Revenue Management in a Supply Chain 	CHO Ch. 16
13	<ul style="list-style-type: none"> IT in a Supply Chain 	SIM Ch.14 CHO Ch. 17
14	<ul style="list-style-type: none"> Group Project Presentation 	

FINAL TERM EXAMINATION

K. Assignments

1. Case analysis (Individual assignment, chosen-specific-base topic per person).
 - Each group must deliver before the class a maximum of 2 progress report of cases analysis that contains:
 - Case synopsis
 - Case discussion questions
 - Answer to the discussion questions
 - All cases require presentation in the class by individual. Each person should in addition to case analysis, has a power-point file ready for one case.
 - The case analysis must be presented before the class starts. The due date on final exam, no late submission. Submitting the paper after the due date will be marked as zero.
2. Group Project
 - Should focus on a specific supply chain management issue/problem in a company. Could be based on published articles (not the ones covered in class), but preferably based on the real observation.
 - It should address an issue faced in a firm and investigate specific solutions/strategies to the issue/problem or it should illustrate and synthesize a major learning point from the case and relate it to concepts learned in the class (this is specifically for projects based on published articles). It should discuss in detail how some of the concepts and strategies learned were (or were not) applied in the firm and what improvements was (was not) achieved.
 - The paper must be submitted and presented in session 14. Late submission will result in penalty of 10% per day, with a maximum of 3 days. Submitting the paper later than 3 days after the due date will be marked as zero.

L. Plagiarism and Collusion

Plagiarism is the presentation by a student of an assignment which has in fact been copied in whole or in part from another student's work, or from any other source (eg published books or periodicals), without due acknowledgment in the text.

Collusion is the presentation by a student of an assignment as his or her own which is in fact the result in whole or part of unauthorised collaboration with another person or persons.

All students must sign a declaration for each assignment that it is their own work and does not involve plagiarism or collusion.

SOME USEFUL WEBSITES FOR CONDUCTING SUPPLY CHAIN STUDY

COUNCIL OF SUPPLY CHAIN MANAGEMENT

<http://www.cscmp.org/> This is the largest professional organization that focuses on supply chain management. This portal contains a complete list of "glossary" for Supply Chain Management, industry news and some recent case studies.

ONLINE JOURNALS/REPORTS

- Information Technology (<http://www.informationweek.com/>) This site provides the on-line version of the Information Week magazine. It is good for learning the latest ERP/IT/IS stuff related to supply chain.
- The McKinsey Quarterly (<http://www.mckinseyquarterly.com/home.aspx>) Under the "Functions" tab, you can access to many global supply chain studies in the "operations" area. Free registration.

UNIVERSITY/INDUSTRY JOINT FORUMS

- MIT Supply Chain Strategy Forum (<http://www.MITsupplychainstrategy.com>)
- The Center for Digital Strategies at the Tuck School of Business (<http://www.tuck.dartmouth.edu/digitalstrategies>)
- North Carolina State Supply Chain Resource Forum (<http://scrc.ncsu.edu/>) These forums offer white papers, cases, supply chain glossary, and various links to other interesting supply chain sites.