

## Supply chain management

Academic Year: ( 2022 / 2023 )

Review date: 10-05-2022

Department assigned to the subject:

Coordinating teacher: BERENGUER FALGUERA, GEMMA

Type: Electives ECTS Credits : 2.0

Year : 1 Semester : 2

## REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

Operations Management

## OBJECTIVES

- Use tools and methodologies to model and analyze supply chains
- Know how to manage uncertainty and risk, both within the firm and across the supply chain
- Know how to effectively coordinate supply chains using contracts
- Understand how companies have used the principles from this course to significantly enhance their competitiveness and to innovate business models.

## DESCRIPTION OF CONTENTS: PROGRAMME

-Session 1

Introduction

Supply Chain Design

-Session 2

Applichem case study

Sourcing and contracts

-Session 3

Negotiation game

Supply Chain Strategies

-Session 4

Mattel's case study discussion

Supply chain disruptions and risks

Transportation in the supply chain

-Session 5

Project Presentations

Sustainability in the supply chain

## LEARNING ACTIVITIES AND METHODOLOGY

-Class Activities: The approach in this course includes lectures, readings, case discussions, and several active learning exercises. The readings are intended to illustrate the basic concepts of supply chain management as they apply to a variety of organizations. Because of the extensive use of readings, the discussion between you and your classmates will be an important vehicle for learning these concepts. We will also have hands-on exercises and games.

-Deliverables: There are 6 deliverables, which include 4 group submissions (2 case studies, one negotiation contract, and one final project) and 2 individual submissions. The dates and topics of all submissions will be shown in the submissions schedule table that will be provided before starting the course.

-Class Participation and Attendance: This will be determined based on your attendance and your overall contribution to the class. Your instructor may cold call you to answer questions in class, and you are expected to be prepared to answer these. If you are not attentive in class (for example distracted by

electronic devices) then you will not be able to answer questions when called upon. Attendance will be taken at every class session. Students can be active in the course forum as well as by contacting the instructors with questions via email.

#### ASSESSMENT SYSTEM

Class Attendance and Participation (15 %)  
Group Submissions (20 %)  
Negotiation game (10 %)  
Individual Problem Set (20 %)  
Individual speaker report (5 %)  
Project (30 %)

<b>% end-of-term-examination:</b>	0
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	100

#### BASIC BIBLIOGRAPHY

- Chopra, S., Meindl, P. Supply Chain Management: Strategy, planning and operation, Pearson, 2013
- Simchi-Levi, D., Kaminsky, P., Simchi-Levi, E. Designing and managing the supply chain: Concepts, strategies, and case studies, McGraw-Hill Irwin, 2008