

Supply Chain Management

Paris, 17/18/20/21 July 2017
16 contact hours / 2 ECTS credits

The course builds up on knowledge acquired in introduction to operations, industrial realities and optimization methods (IESEG courses). It is therefore requested that the students have validated those courses. Also, we want to mention that extensive use of Excel is done to take decision in supply chain.

For international students and IESEG students who were in exchange in 3rd year: knowledge of operations management and linear programming.

Course Schedule

The course will be divided in 3 parts

- Supply chain context: strategies, performance indicators
- Supply chain design; supply network and basic concepts of transportations; warehouse location
- Supply chain operations and Risk management in supply chain

Learning Objectives

On successful completion of this module, students will be able to:

- Explain what a supply chain is
- Discuss the goal of a SC and explain the impact of SC decisions on the success of a firm
- Describe and explain how a company achieves strategic fit between its supply chain strategy and its competitive strategy
- Understand the role of network design in a supply chain; identify key factors and use optimization for facility location and capacity allocation decisions
- Define uncertainties that are particularly relevant when designing global supply chains
- Explain different strategies that may be used to mitigate risk in global supply chain
 - Analyze global supply chain network design decisions in an uncertain environment

Teaching Method

Effective presence:	16 hours
Self-learning (books reading):	4 hours
Personal work:	8 hours
Projects:	14 hours
TOTAL:	42

Assessment

Students will be assessed on theory understanding through an MCQ (written exam). Their ability to analyze and to apply the techniques studied during the course will be assessed through case study solving

Participation	10%
Final exam	40%
Case study	50%
TOTAL	100%

Bibliography:

- Ballou, R (2005), Business logistics/supply chain management: planning, organizing, and controlling the supply chain, Prentice Hall
- Mangan, Lalwani & Butcher (2008), Global logistics and supply chain management, Wiley
- Chopra, Meindl (2010), Supply Chain Management, Pearson
- Operations Management: along the supply chain (2008), Russell & Taylor, Wiley
- Heizer and Render (2010), Operations management, Prentice Hall
- Ernst, Fender & Kouvelis, Global operations and Logistics (1998), Wiley
 - Edward Silver, David Pike and Rein Peterson, Inventory management and production planning and scheduling”, Wiley, 754p