

## **Supply Chain Management**

Paris, 09/10/12/13 July 2012  
**16 contact hours / 2 ECTS credits**

The course will expose students to the concepts of supply chain management. Students will learn the strategic importance of good supply chain design, planning, and operations for every firm. The objective is to understand how good supply chain management can be a competitive advantage, whereas weaknesses in the supply chain can hurt the performance of a firm. We will use examples and exercises to illustrate this idea and develop a framework for supply chain strategy. To take full advantage of this class, it is asked that the students have knowledge of Excel.

### **Course Schedule**

#### **Monday, 9 July (9:30 – 11:00, 11:30 – 13:00)**

- Introduction to SCM
- Strategy and supply chain
- Case 1
- Homework 1

#### **Tuesday, 10 July (9:30 – 11:00, 11:30 – 13:00)**

- Distribution network
- Case 2

#### **Thursday, 12 July (9:30 – 11:00, 11:30 – 13:00)**

- Network design: facility location and capacity allocation
- Case 3
- Homework 2

#### **Friday, 13 July (9:30 – 11:00, 11:30 – 13:00)**

- Inventory management
- Case 4
- Written exam: 40 minutes

### **Learning Objectives**

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

- Explain what a supply chain is.
- Describe and illustrate the detrimental effect of demand fluctuations on overall supply chain performance.
- Identify, analyze and report upon a real world operational supply chain.

### **Teaching Method**

Classes will be conducted in a lecture and discussion format promoting extensive student participation. Throughout the course students will be exposed to different teaching styles; class discussions and business examples will be alternated throughout the course.

## **Assessment**

40%	Homework and case study (group work)
50%	Final examination (individual)
10%	Participation (Individual)

**Bibliography:**

- Ballou, R (2005), Business logistics/supply chain management: planning, organizing, and controlling the supply chain, Prentice Hall
- Heizer and Render (2010), Operations management, Prentice Hall
- Ernst, Fender & Kouvelis, Global operations and Logistics (1998), Wiley
- 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
- Global logistics and supply chain management (2008), Mangan, Lalwani & Butcher, Wiley
- Van Weele, A.J. (2005), Purchasing & supply chain management: analysis, strategy, planning and practice, Thomson Learning