

Faculty of Economic, Social and Political Sciences



PROD2951 Introduction to Supply Chain Management

[30h] 5 credits

Teacher(s): Per Joakim Agrell, Isabelle Callens (supplée Guy Keymolen), Guy Keymolen
Language: French
Level: Second cycle

Aims

At the end of the class, students should be able to

- Distinguish strategic, tactic and operational problems in SCM.
- Apply modelling tools for supply network design, flow analysis and distribution analysis.
- Identify some key coordination and control problems in the supply chain.

Main themes

The course gives an introduction the control and coordination problems involved in supply chain management and international logistics operations. Based on quantitative methods from operations research and industrial organization, the course treats the channel coordination problem from multiple angles: level of decision making, organizational focus and information access. The topics are illustrated with cases and computational examples.

Content and teaching methods

Content

Specific issues that will be discussed include: facility location, logistic network planning and design, routing, inventory management, supplier contracting, sourcing strategies, quality assurance, information technology, flexibility, globalization, and performance measurement.

Methods

The course format is interactive, theoretical sessions, readings and demonstrations intertwined with cases, and computer simulations.

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Prerequisite : PROD2950

Evaluation : Case reports and written exam

Support: Harrison, A. and R. van Hoek (2002) Logistics Management and Strategy, Pearson Education.

References: see support

Pedagogic team: Teachers

Other credits in programs