Faculty of Economic, Social and Political Sciences

PROD2951   Introduction to Supply Chain Management

[30h] 5 credits

Teacher(s):	Per Joakim Agrell, 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 logististics operations. Based on quantitiative 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

Programmes in which this activity is taught

GEST2M1   Master en sciences de gestion