

X3012SCM Global Supply Chain Processes

3 ECTS

Objectives – Course description

This course is meant to develop Supply Chain Management skills. Students will learn what is tactical and operational supply chain.

Learning content

- From strategy to tactical and operational supply chain
- Process mapping with adequate tools (BPMN - Business Process Mapping and Notation)
- ERP (Enterprise Resource Planning) and practice with Odoo
- Managing service level (understand the demand and manage the supply)
- Inventory management
- Tendering process
- Operations (capacity management)
- KPI's
- Sustainable Supply Chain and operations

Learning outcome

By the end of this course, students will be able to:

- Develop supply chain processes from business strategies
- Being able to map supply chain process with given tools and methodologies
- Understand ERP and being able to use it for specific supply chain activities
- Being able to manage inventory and define safety stock
- To select specific offer through tendering process
- To conduct research on specific supply chain topic
- Take decision in terms of supply capacity (warehousing, transport, production)
- Take decision in terms of business service level
- Monitor supply chain performance
- Propose supply chain improvements to an existing company

Methodology

Students are requested to participate actively to the different sessions. Most of the sessions will be supported by practical business case based on business games, online tools, conferences or given exercises to be done individually or in group.

Students will be requested to do technologic watch on a chosen topic related to innovation, challenge, or technology in supply chain. Students will present the output of their research in class. Students will work on a real company supply chain. This includes company visit preparation, the field visit itself, the processes analysis and the improvement proposition.

Learning material

Business Games, course slides, course notes, various online resources

Evaluation

30% First term continuous assessment Set of assignments or work

70% End of first term assessment Written and/or oral test

Evaluation methods of the second session

100% Second session assessment Written and/or oral test

Comments on the assessments

The weighted geometric mean system is applied for the learning activities of this teaching unit.