Industrial logistics

ECTS credits
2 credits

In brief

Course langage: English, French

Presentation

Prerequisites

Operational management
Knowledge of the company and its organization

Learning objectives

Understand the current missions and stakes of the actors of logistics and production, the difficulties that they can meet and the keys to manage them.
Understand the concrete applications in companies of the strategic declensions and the implementation of a Supply Chain management.
Develop a managerial analysis of a supply chain problem.
To know the theories of visual management and observation of production situations (to analyze the constraints by practice).

Description of the programme

This UE includes :
- a module on supply chain management
Courses and sharing of experiences on strategies and management of logistics and supply chain, analysis of concrete cases through case studies.
Optimization of upstream and downstream flows (control and reduction of lead time, planning, push/pull flows, Kaizen, methodologies, human dimension) around a serious game
- a module on observation and visual management methodologies
Courses, experience sharing with a PSA professional, confrontation in the field

- an approach to the concepts of the industry of the future

Generic central skills and knowledge targeted in the discipline

Scientific and technical innovation: identification of Supply Chain innovations, their usefulness, points of vigilance and choice of innovations for optimization
Control of complexity and systems: complexity resulting from multi-actor industrial systems, identification of problems and commitment to their resolution
Management of people: all aspects of team management (role of logistics actors, conflict management and coordination of actors)
Strategic vision: definition of a transverse strategy and control of its operational implementation

How knowledge is tested

Supply chain management DS1, 2h - 40%.
Visual management and observations CC1 - 30%.
Serious Game of the supply chain CC2 - 30

Bibliography

Course Handouts
Christopher, M. (2016) Logistics and supply chain management: creating value-adding networks, FT Publishing International Prentice Hall, 5th edition
Chapman, S. N., Tony Arnold, J. R., Gatewood, A. K. and Clive, L. M. (2016) Introduction to Materials Management, Pearson, 8th edition

Teaching team

- Florian Magnani
- Cécile Loubet

Sustainable Development Goal



Descent work and economic growth



Responsible consumption and production

Total des heures		**41h**
CM	Master class	16h
TD	Directed work	9h
TP	Practical work	16h

Useful info

Name responsible for EU

Lead Instructor
Cécile Loubet
cecile.loubet@centrale-med.fr