

# Industrial logistics



ECTS credits  
3 credits

## In brief

➤ **Course language:** English, French

## Presentation

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### Prerequisites

Operational management  
Knowledge of the company and its organization

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### 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 decisions 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).

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### 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



Decent work and economic growth



Responsible consumption and production

### Total des heures

		<b>41h</b>
CM	Master class	16h
TD	Directed work	9h
TP	Practical work	16h

## Useful info

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### Name responsible for EU

**Lead Instructor**

Cécile Loubet

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