



SPRING SEMESTER (M1.2/14.8)

# ORGANIZATION & INFORMATION SYSTEMS

NANTES CAMPUS

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## Partners

Partner companies who deliver lectures/conferences or mentor case studies.

**Armor / Scopeli / Audencia / Suitee /  
ITEA / groupe Bouhyer**

## OBJECTIVES

- Industrial management and logistics
- Methods and industrialization
- Supply chain design and organization

## TARGET PROFESSIONS

- Process, lean, methods engineer
- Industrial engineer
- Methods and improvements engineer

## PROGRAM

### Lectures/Conferences

Conference series held by industry partner representatives:

- Understanding terminologies, methodologies, approaches
- Industry insights: experiences, problem situations

### Procurement and Supply Chain

- 6 SIGMA
- FlexSim: Data flow simulation
- Data Treatment and Modeling via Excel: Dashboarding, dynamic pivot tables for data modeling, Key Performance Indicators (KPIs), data model optimization (Power Pivot)

### Typical project(s)

- Armor: reorganization of 2 workstations to improve physical flow; study of Automated Guided Vehicle (AGV) implementation
- Bouhyer: Creation of storage for consumables taking into account physical and logical flows
- Scopeli: Optimization of a storage area's replenishment process

### Competencies

- Understand a company's industrial organization
- Improve the organization of a production line
- Data modeling
- Use information to define a strategy/help in decision-making

### Prerequisites

- Bachelor's Level - IT/Computer Science and Industrial Management concepts

*Note that as lectures and case studies for industrial partners are mostly conducted in French, having a good level of French is recommended.*

### Assessment

- Practicals on FlexSim, Excel, Pivot Tables, Power Pivot
- Regular progress reports and consultation
- Project oral and written presentation