



SPRING SEMESTER (M1.2/14.8)

CONSTRUCTION & PUBLIC WORKS

NANTES CAMPUS

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Icam Nantes campus

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Assessment

- Quizzes
- Regular progress reports and consultation
 - Technical reports
- Project oral and written presentation

Partners

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

Nantes métropole / SNCF / Nantes métropole habitat / Consult'ec / Euromede / Serru / Demathieu bard / Colas

OBJECTIVES

- Understand the construction of houses, commercial and industrial infrastructure, bridges or roads
- Assist clients and their suppliers in carrying out their projects

TARGET PROFESSIONS

- General foreman/site supervisor, account manager, R&D, construction consulting, methods engineer

PROGRAM

Lectures/Conferences

Conference series held by industry partner representatives:

- Buildings (housing and industrial), timber construction, building information modeling (BIM), building thermodynamics, building regulations
- Industry insight: experiences, problem situations, projects
- Project/construction site visits

Technical and financial management

- Technical and financial management of several customer portfolios

Procurement & budgeting

- Choosing suppliers and subcontractors
- Project budgeting
- Issue invoices, project scheduling and cost management

Roads (Colas-Eurovia)

- Construction materials, road technology-materials, manufacturing and implementation, pavement sizing

Non-destructive testing (Ifstar)

- Context and methods, mechanical methods

Concrete building materials (Vinci)

- Price study

Typical project(s)

- Carry out a study of a rehabilitation project
- 3D printing

Competencies

- Design and sizing of structures (architecture, structure, thermal, electrical)
- Price study and costing
- Site management
- BIM management

Prerequisites

- Bachelor's level - thermal and electronic concepts
Note that as lectures and case studies for industrial partners are mostly conducted in French, having a good level of French is recommended.