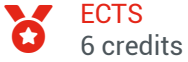


# Methods and English



## Presentation

### Description

Programme (detailed contents):

Methods:

Preparing sites and roadworks – Defining missions and assignments – Site facilities – Temporary works – Special formworks (piles, deck) – Lifting apparatus – Production means – Operating methods and special equipments

Planning:

Cycles and phases study – Equipment and workforce saturation – Implementation.

Budget and site management:

Type a call for tenders in public works – Project manager approach – Enterprise approach – Establishing selling price from cost price - Price study (quantities, sub-details, organization, cost prices, selling prices) – Budget and financial margin.

Lean Management applied to Construction

Lean construction, management of operations and quality, organization and management of flows, logistics

English :

Through targeted activities (contextual presentations, experience reports, projects) students will learn and use English for civil engineering projects

Organization:

Lecture, projects, workshops

Main difficulties for students:

Managing the set of data and information related to the project, performing a complex calculation in several stages.

### Objectives

At the end of this module, the student will have understood and be able to explain (main concepts):

- \* Elaborating means, planning and budget of a construction operation
- \* Main techniques and methods in various sectors (building, bridges and roads)
- \* Principles of Lean Management applied to Civil Engineering projects

- \* Use specific vocabulary of Civil Engineering to complete reports and discuss key elements of a project

The student will be able to:

- \* Elaborate methods.
- \* Estimate a budget and establish a planning of works.
- \* Pilot a project referring to Lean Management concepts
- \* Communicate in English civil engineering environment

## Useful info

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### Contacts

**Education manager**

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### Place

➤ Toulouse