

Faculty of Applied Sciences



AMCO2161 Civil works management

[22.5h] 2 credits

This course is taught in the 1st semester

Teacher(s): Bernard Cols
Language: French
Level: Second cycle

Aims

Introduction to the various economical, legal and contractual aspects of a project and initiation into how to organize and manage a jobsite.

Main themes

The lecture describes the various phases of a projects starting with the decision to invest until the substantial completion and final handing-over of the works, with particular emphasis on management and planning techniques required for the good performance of the works.

Chap. I : The decision to invest

* Preliminary studies, permits, conditions of contract, the various parties concerned.

Chap. II : The tender

* The tender procedures, qualifications, tender preparation, price fluctuation.

Chap. III : The execution of the works

* Site organization, programming of works, selection of resources, administrative and contractual follow-up, cost control, safety quality.

Chap IV : Substantial completion and 10-years liability.

For each phases, the economical, contractual and legal aspects (contractual relations between and liabilities of the parties involved) of a contract are addressed.

Content and teaching methods

- Contractual and judicial context of civil works
- Theory of organization
- Application to civil works

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Naught

Other credits in programs

FSA3DS/GC	Diplôme d'études spécialisées en sciences appliquées (génie civil)	(2 credits)	
GC22	Deuxième année du programme conduisant au grade d'ingénieur civil des constructions	(2 credits)	
GC23	Troisième année du programme conduisant au grade d'ingénieur civil des constructions	(2 credits)	Mandatory