

Construction Seminars (250724)

General Information

School	ETSECCPB
Departments	Departament d'Enginyeria Civil i Ambiental (DECA) Departament d'Enginyeria de Projectes i de la Construcció (EPC)
Credits	2.5 ECTS
Programs	MÀSTER UNIVERSITARI EN ENGINYERIA ESTRUCTURAL I DE LA CONSTRUCCIÓ (pla 2015)
Course	2022/23

Main teaching language at each group

- Group 10Q2 Spanish (Q2)

Faculty

Responsible Faculty: Jose Turmo Coderque
Faculty: Ahmad Alahmad, Jose Turmo Coderque

Objectives of Education

Subject to acquire knowledge on trends in recent research related to construction

'- Ability to acquire knowledge in the more advanced aspects of research on construction

Recent research progress on construction

Competencies

Especific

Designing and building using traditional materials (reinforced concrete, prestressed concrete, structural steel, masonry, wood) and new materials (composites, stainless steel, aluminum, shape memory alloys?).
To apply innovative and sustainable technological aspects in the management and implementation of projects and works.

To analyze the multiple technical and legal conditions arising in the construction of public works, and use proven methods and proven technologies with the aim of achieving greater efficiency in construction while respecting the environment and protecting the safety and health of workers and users of public works.

Generic

To develop, improve and use conventional materials and new construction techniques to ensure the safety requirements, functionality, durability and sustainability.

To define construction processes and methods of organization and management of projects and works.

To design plans for safety, quality and environmental and socioeconomic impacts related to the construction process.

Total hours of student work

		Hours	Percentage
Supervised Learning	Large group	12.75 h	56.64 %
	Medium group	4.88 h	21.68 %
	Laboratory classes	4.88 h	21.68 %
	Guided Activities	0.0 h	0.00 %
Self Study		40.0 h	

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Construction Seminars

Seminars

Activities

Conference

Dedication

1h

Teaching Methodology

The communication of the teachers will be mostly in Spanish. Workshops and interventions by speakers other than the teachers of the subject are planned for the course. These will be held in Spanish and very exceptionally in Catalan or English. In total, 20 hours of interventions are planned, a teaching load that corresponds to the 2.5 ECTS of the subject. Student queries may be answered in Spanish, Catalan or English. The exam can be answered in Spanish, Catalan or English. Support material is used through the virtual campus: contents and bibliography. The material can be in Spanish, Catalan and English. Site visits made within the framework of the subject, if applicable, will be in Spanish or Catalan.

Although most of the sessions will be given in the language indicated, sessions supported by other occasional guest experts may be held in other languages.

Grading Rules

() The evaluation calendar and grading rules will be approved before the start of the course.*

The course grade is obtained from the continuous assessment grades. The evaluation of the subject is done based on attendance at the different sessions and an exam on the content of the sessions of the subject. Class attendance NA has a weight of up to 50% of the final grade for the course (NFA). The NE exam grade has a weight of between 50 and 100% of the NFA, which is obtained according to the following formula $NFA = \max(0.50 NA + 0.50 NE; NE)$

Test Rules

Non-attendance at one of the sessions, whatever the cause, supposes a grade of zero in the evaluation of the attendance of that session. If you do not take the exam, you will not be able to pass the subject.