

220244 - Management of Construction Projects

Coordinating unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering
 Teaching unit: 758 - EPC - Department of Project and Construction Engineering
 Academic year: 2019
 Degree: MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2013). (Teaching unit Optional)
 ECTS credits: 5 Teaching languages: Catalan

Teaching staff

Coordinator: XAVIER ROCA RAMON

Degree competences to which the subject contributes

Specific:

1. Proper knowledge for the design, calculation and construction of steel structures, reinforced concrete and other structural solutions, including experimental techniques of measurement.
2. Proper knowledge for the design, construction and management of buildings and their surroundings, especially in the field of industrial engineering.
3. Dominion of analysis and structural modeling and numerical simulation of structures against static and dynamic requests.
4. Acquire the knowledge necessary for the design, implementation, verification and control of facilities, infrastructure and urban development in the field of industrial engineering.

Learning objectives of the subject

Study load

Total learning time: 125h	Hours large group:	30h	24.00%
	Hours small group:	15h	12.00%
	Self study:	80h	64.00%

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Content

(ENG) Mòdul 1: El Projecte de Construcció	Learning time: 7h Theory classes: 2h Self study : 5h
(ENG) Mòdul 2: Viabilitat del Projecte de Construcció	Learning time: 7h Theory classes: 2h Self study : 5h
(ENG) Mòdul 3: Planificació econòmica i temporal del Projecte de Construcció	Learning time: 45h Theory classes: 10h Laboratory classes: 5h Self study : 30h
(ENG) Mòdul 4: Gestió de la fase d'execució del Projecte de Construcció	Learning time: 59h Theory classes: 14h Laboratory classes: 10h Self study : 35h
(ENG) Mòdul 5: Anàlisi financer del Projecte de Construcció	Learning time: 7h Theory classes: 2h Self study : 5h

Bibliography