

Course guide

220244 - 220244 - Management of Construction Projects

Last modified: 19/04/2023

Unit in charge: Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 758 - EPC - Department of Project and Construction Engineering.

Degree: MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2013). (Optional subject).

Academic year: 2023 **ECTS Credits:** 5.0 **Languages:** Catalan

LECTURER

Coordinating lecturer: XAVIER ROCA RAMON

Others:

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.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

Type	Hours	Percentage
Hours small group	15,0	12.00
Hours large group	30,0	24.00
Self study	80,0	64.00

Total learning time: 125 h

CONTENTS

(ENG) Mòdul 1: El Projecte de Construcció

Full-or-part-time: 7h

Theory classes: 2h

Self study : 5h



(ENG) Mòdul 2: Viabilitat del Projecte de Construcció

Full-or-part-time: 7h

Theory classes: 2h

Self study : 5h

(ENG) Mòdul 3: Planificació econòmica i temporal del Projecte de Construcció

Full-or-part-time: 45h

Theory classes: 10h

Laboratory classes: 5h

Self study : 30h

(ENG) Mòdul 4: Gestió de la fase d'execució del Projecte de Construcció

Full-or-part-time: 59h

Theory classes: 14h

Laboratory classes: 10h

Self study : 35h

(ENG) Mòdul 5: Anàlisi financer del Projecte de Construcció

Full-or-part-time: 7h

Theory classes: 2h

Self study : 5h

GRADING SYSTEM