

### COURSE NAME

Name: **PROJECTS**

Code: 101139

Curriculum: **DEGREE IN CIVIL ENGINEERING**

Year: 2

Name of the module to which it belongs: COMMON MODULE FOR THE CIVIL BRANCH

Subject: CONSTRUCTION PROCEDURES AND PROJECTS

Nature: OBRIGATORY Duration: SECOND SEMESTER

ECTS Credits: 6

Classroom hours: 60

Face-to-face classroom percentage: 40%

Non-contact hours: 90

### FACULTY DETAILS

Name: RECUERO RECUERO, TEODOMIRO MIGUEL (Coordinator)

Department: RURAL ENGINEERING

Area: ENGINEERING PROJECTS

Location of the office: Aulario Emilio Iznardi (EPSBelmez)

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Phone number: 607800686

### SKILLS

- |       |   |
|-------|---|
| CB1   | Have and understand specific knowledge of the study area of the Degree that gives skills for the exercise of the profession of Technical Civil Engineering. |
| CB2   | Have and understand updated and cutting-edge knowledge related to the field of study of the degree of Technical Civil Engineering.                          |
| CB3   | Be able to apply the knowledge acquired to their work or vocation in a professional manner. Prepare and defend arguments in the relevant knowledge area.    |
| CB4   | Solve problems within the study area of Civil Engineering.  |
| CU3   | Promote active job search habits and entrepreneurship   |
| CEC9  | Ability to analyze health and safety concerns in construction sites.  |
| CEC11 | Ability to apply environmental impact study and assessment methods.   |
| CEC12 | Knowledge of techniques for organizing, surveying and evaluating works.   |

### OBJECTIVES

For the student to learn the basic concepts related to Engineering Projects (documents, writing them, contracting and execution procedures and basic legislation), planning methods, surveying and evaluating works, and issues related to project management in urban planning and spatial planning, environment and other project evaluations. Also, to learn the procedures for obtaining permits and authorizations related to Engineering Projects.

### CONTENTS:

#### 1. Theoretical contents

1. Projects in Engineering.
2. Project life cycle Agents involved. The project team.
3. Project feasibility and evaluation. Urban, environmental and financial feasibility of projects.
4. Project planning. Objectives and strategies for developing a project.
5. Regulations. Basic and specific legislation for drafting projects and environmental evaluations.
6. Principles of project and works management.

7. Project documents. Reports, prints and specifications
8. Project documents. Budgeting. Project indicators and evaluations. Production control.
9. Project contracting and execution.
10. Project launch and completion. Bonds, guarantees and liabilities.
11. Urban Planning and Management related to projects.

### 2. Practical contents.

1. Strategy for formulating a project. Group case study.
2. Project regulations and documentation. Group case study.
3. Problem solving. Financial evaluation of projects.
4. Problem solving. Preparing a project budget.
5. Assessment and monitoring of works progress. Presentation of applicable case.
6. Practical training.
7. Writing a Basic Project
8. Investigation of the planning instruments of Territories.