

SUBJECT TEACHING GUIDE

G1143 - Projects

Degree in Civil Engineering

Academic year 2021-2022

1. IDENTIFYING DATA					
Degree	Degree in Civil Engineering			Type and Year	Compulsory. Year 3
Faculty	School of civil Engineering				
Discipline	Subject Area: Engineering Projects Module: Training in Technology Complements				
Course unit title and code	G1143 - Projects				
Number of ECTS credits allocated	6	Term	Semester based (2)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. TRANSPORTES Y TECNOLOGIA DE PROYECTOS Y PROCESOS				
Name of lecturer	FERNANDO CAÑIZAL BERINI				
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Other lecturers	M. ANTONIA PEREZ HERNANDO				

3.1 LEARNING OUTCOMES

- Knowing writing, with due quality and accuracy, and in accordance with the technical standards of engineering projects, after analysis of the conditions established for the property, as well as legal and technical nature, which will affect the future work.
- Understand the role of agents involved in the administrative process definition and management of public works, both technically and legally.
- Be able to develop teamwork, and to use the main tools commonly used in the preparation of engineering projects.
- Know the basic contractual aspects related to the execution of public works and, consequently, be able to interpret a contract for execution of works and observe compliance.

4. OBJECTIVES

Description of the required methodology for defining the public works through the steps of: prior to the drafting aspects. Legislation and applicable technical regulations. Information gathering and preliminary studies. Analysis of profitability. Alternatives.- selection approach and the drafting and processing: analysis of project documents. Processing projects. Construction Management: Legislation on public procurement. Preparatory actions. Award. Normal development. Impact on the conduct of the contract.

6. COURSE ORGANIZATION

CONTENTS

1	Prior to the drafting aspects. Legislation and applicable technical regulations. Previous studies. Analysis of profitability. And selection of alternative approach.
2	Analysis of project documents
3	Processing projects. Construction Management: Legislation on public procurement. Preparation and development of construction contracts. Award. Normal development. Impact on the conduct of the contract.
4	Practical realization of draft Civil Engineering

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Draft	Work	No	Yes	40,00
Exam	Written exam	Yes	Yes	60,00
TOTAL				100,00

Observations

In connection with the resolutions adopted at the regular meeting of the School Board held on June 10, 2010, states that, with respect to evaluation activities having the character of recoverable, As a general criterion and unless specified in this guide a different thing, a student may be submitted only to recovery activities that have failed, that is, which has not received a rating at least five out of ten.

As a general criterion and except in this guide is a different thing specified in the period recovery procedure for assessing the activity is the same as the activity that originates.

Note: According to the Royal Decree RD 1125/2003 on the European credit system and the grading system in the university degrees of official and valid throughout the national territory, the results obtained by the student in each of the subjects of the curriculum will be graded according to the following numerical scale of 0-10, with one decimal, which may be added corresponding qualitative rating:

0.0 to 4.9: Suspense (SS).

5.0 to 6.9: Approved (AP).

7.0 to 8.9: Notable (NT).

9.0 to 10: Outstanding (SB).

Observations for part-time students

Students with dedication may replace the ' Project Group ' for individual work, if they wish. As for the theoretical part of the course, since it is not mandatory class attendance is not necessary to establish a special regime, students can perform partial examination liberatory (if desired) and, in any case, submitted to final exam.

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

- Cañizal, F., Pérez Hernando, M.A. (1998).- "La Redacción del Proyecto. Aspectos Previos y Metodología".- E.T.S de Ingenieros de Caminos, Canales y Puertos.- Universidad de Cantabria.
- Cañizal, F; Apuntes sobre Contratos del Sector Público (2108)
- Martínez Montes, G.; Pellicer Almiñana, E. (2006) "Organización y Gestión de Proyectos y Obras".- Ed. Mc Graw Hill.