

SUBJECT TEACHING GUIDE

600 - Project Assessment of Public Servicese

Master's Degree in civil Engineering, Canal and Port Engineering

Academic year 2024-2025

1. IDENTIFYING DATA					
Degree	Master's Degree in civil Engineering, Canal and Port Engineering			Type and Year	Optional. Year 1
Faculty	School of civil Engineering				
Discipline	CROSS CURRICULAR EDUCATION				
Course unit title and code	600 - Project Assessment of Public Servicese				
Number of ECTS credits allocated	3	Term	Semester based (2)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. ADMINISTRACION DE EMPRESAS				
Name of lecturer	SAUL TORRES ORTEGA				
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Office	E.T.S. de Ingenieros de Caminos, Canales y Puertos. Planta: + 1. DESPACHO (1035)				
Other lecturers	PEDRO DIAZ SIMAL				

3.1 LEARNING OUTCOMES
<ul style="list-style-type: none"> -- The student will identify the economic consequences of technical decisions, incorporating the efficiency criterion in decision making. - The student will be able to defend the technical solutions proposed with economic criteria. - The student will be able to handle technical standards and recommendations in the field of evaluation.

4. OBJECTIVES
<ul style="list-style-type: none"> - The student will handle the economic concepts of application to the discipline of evaluation. - The student will elaborate arguments assessing the costs and benefits of technical decisions, debating if necessary with third parties - The student will incorporate the analytical tools of economic analysis to his/her technical work.

6. SUBJECT PROGRAM	
CONTENTS	
1	1. Evaluation and public investment projects
2	2. Cost-Benefit Analysis 2.1. Welfare theory and CBA 2.2. Criteria and methods of evaluation 2.3. Problems for the application of CBA
3	3. CBA development and revisions 3.1. The methods of international organizations 3.2. Recent CBA revisions
4	4. Applications to Infrastructure Projects: Linear Projects (Roads and Railways)
5	5. Applications to Infrastructure Projects: Hidraulic Projects
6	6. Applications to Infrastructure Projects: Environmental Projects
7	7. Applications to Infrastructure Projects: Energy Projects. Waste Management Projects

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Test	Written exam	No	Yes	40,00
Work case #1	Work	No	Yes	30,00
Work case #2	Work	No	Yes	30,00
TOTAL				100,00
Observations				
<p>According to Royal Decree RD 1125/2003 on the European credit system and the grading system in official university degrees 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 from 0 to 10, with one decimal place, to which the corresponding qualitative grade may be added: 0.0-4.9: Failed (SS). 5.0-6.9: Passed (AP). 7.0-8.9: Notable (NT). 9.0-10: Outstanding (SB).</p> <p>As a general criterion and unless otherwise specified in this guide, a student will only be able to take the recovery of those activities that he/she has not passed; that is to say, those in which he/she has not obtained a minimum grade of 5 out of 10.</p> <p>As a general criterion and unless otherwise specified in this guide, in the recovery period the evaluation procedure of an activity will be the same as that of the activity that originates it.</p> <p>Only for duly justified reasons (e.g. health restrictions) the evaluation tests may be organized remotely, with the prior authorization of the Center's Direction.</p>				
Observations for part-time students				
The time distribution of the evaluation activities to be carried out and the criteria to be applied will be adapted to the particular characteristics of each student, while maintaining the nature of the tests to be carried out.				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
- Just, R. E.; Hueth, D. L., and Schmitz A. (2004): The Welfare Economics of Public Policy. A Practical Approach to Project and Policy Evaluation. Elgar. Cheltenham.
- Pasqual, J. (1.999): La evaluación de políticas y proyectos. Icaria. Barcelona.

