

## SUBJECT TEACHING GUIDE

### M2137 - Environmental Impact

#### Master's Degree in Environmental Engineering and Management

Academic year 2022-2023

1. IDENTIFYING DATA					
Degree	Master's Degree in Environmental Engineering and Management			Type and Year	Optional. Year 2
Faculty	School of civil Engineering				
Discipline	INTEGRATED ENVIRONMENTAL ANALYSIS AND MANAGEMENT				
Course unit title and code	M2137 - Environmental Impact				
Number of ECTS credits allocated	3	Term	Semester based (1)		
Web					
Language of instruction	Spanish	English Friendly	Yes	Mode of delivery	Face-to-face

Department	DPTO. CIENCIAS Y TECNICAS DEL AGUA Y DEL MEDIO AMBIENTE				
Name of lecturer	MARIA LUISA PEREZ GARCIA				
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Other lecturers	XABIER EDUARDO MORENO-VENTAS BRAVO				

### 3.1 LEARNING OUTCOMES

- Know and use the appropriate terminology of the discipline.
- Know and manage the specific legislation of environmental assessment and the sector related to the environment.
- Formulate, propose and organize the Environmental Report applicable to plans and programs.
- Formulate, propose and organize the Environmental Impact study applicable to projects.
- Know the methodology for the identification and assessment of environmental impacts.
- Propose, formulate alternative, preventive, corrective and compensatory measures to minimize the environmental impacts derived from projects.
- Know, propose and organize an Environmental Monitoring

#### 4. OBJECTIVES

Know the concepts and working methods of Environmental Assessment, necessary to prepare environmental studies of plans and projects

#### 6. COURSE ORGANIZATION

CONTENTS	
1	Environmental impact concept
2	Group work proposal
3	Identification and valuation methods
4	Impact valuation practice
5	Environmental improvement measures
6	Proposals for improvement measures. Real case.
7	Environmental Monitoring Plan
8	Resolution of a real case of Environmental Monitoring Plan
9	Environmental Impact study of a project
10	Evaluation

#### 7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Oral presentation	Work	No	Yes	100,00
TOTAL				100,00
Observations				
Observations for part-time students				
Students on a part-time dedication regime will follow the same procedure as full-time students.				

#### 8. BIBLIOGRAPHY AND TEACHING MATERIALS

##### BASIC

Arce Ruiz, R.M. 2013. La evaluación ambiental en la ingeniería civil. Mundi-Prensa. Madrid.  
 Canter, L. 1997. Manual de Evaluación de Impacto Ambiental. McGraw Hill. Madrid.  
 Conesa Fernández-Vitora, V. 1997. Guía metodológica para la evaluación de impacto ambiental. Mundi-Prensa. Madrid.  
 Conesa Fernández-Vitora, V. 1997. Los instrumentos de la gestión ambiental. Mundi-Prensa. Madrid  
 Garmendia, A.; Salvador, A; Crespo, C.; Garmendia, L. 2005. Evaluación de impacto ambiental. Pearson/Prentice Hall. Madrid.  
 Gómez Orea, D. 2002. Evaluación de Impacto Ambiental. Mundi-Prensa, Madrid.  
 Gómez Orea, D. 2007. Evaluación Ambiental Estratégica. Mundi-Prensa. Madrid.