SUBJECT TEACHING GUIDE

M569 - Environmental Impact

Master's Degree in Environmental Engineering

Academic year 2016-2017

1. IDENTIFYING DATA					
Degree	Master's Degree in Environmental Engineering			Type and Year	Optional. Year 2
Faculty	School of civil Engineering				
Discipline	Speciality: Water Speciality: Air Speciality: Soils and Waste				
Course unit title and code	M569 - Environmental Impact				
Number of ECTS credits allocated	3	Term	Others (3)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. CIENCIAS Y TECNICAS DEL AGUA Y DEL MEDIO AMBIENTE
Name of lecturer	JUAN CARLOS CANTERAS JORDANA
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Office	E.T.S. Ingenieros de Caminos, C.P.. Planta: + 2. DOCTORANDOS ECOLOGIA (2016)
Other lecturers	MARIA LUISA PEREZ GARCIA

3.1 LEARNING OUTCOMES
- Know and use the proper terminology of discipline.
- Understand and manage specific environmental assessment legislation and sector on the environment.
- Formulate, propose and organize the Environmental Sustainability applies to plans and programs.
- Formulate, propose and organize the Environmental Impact application projects.
- Learn the methodology for identification and assessment of environmental impacts.
- Propose, formulate, preventive, corrective and compensatory measures to minimize the environmental impacts of project alternatives.
- Propose measures and principles of environmental sustainability for plans and projects.
- Know, raise and organize an Environmental Monitoring Program.

4. OBJECTIVES
Understand the concepts and working methods that constitute the body of doctrine of Environmental Assessment, necessary to draft Environmental Assessment of plans and projects.

6. COURSE ORGANIZATION	
CONTENTS	
1	CONCEPT OF ENVIRONMENTAL IMPACT
2	PROPOSED WORK
3	METHODS OF IDENTIFICATION AND VALUATION
4	PRACTICE ASSESSMENT OF IMPACTS
5	ENVIRONMENTAL IMPROVEMENT MEASURES
6	PROPOSAL FOR IMPROVEMENT MEASURES, IF REAL
7	ENVIRONMENTAL MONITORING PLAN
8	RESOLUTION OF A CASE STUDY PLAN MONITORING
9	ENVIRONMENTAL IMPACT OF PROJECT
10	EVALUATION

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
theoretical questions and practical exercises	Written exam	No	Yes	30,00
GENERAL PRACTICE ACTIVITY	Work	No	Yes	70,00
TOTAL				100,00
Observations				
To pass the course you must have had passed the theory test and the proposed work.				
Observations for part-time students				
Students will undergo an evaluation process consisting in carrying out an environmental impact of a project or a plan (70% of the final grade) and the completion of a written test on the theoretical contents (30% the final) rating.				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
Garmendia, A.; Salvador, A; Crespo, C.; Garmendia, L. 2005. Evaluación de impacto ambiental. Pearson/Prentice Hall. Madrid.
Gómez Orea. 1999. Evaluación de Impacto Ambiental. Mundi-Prensa. Madrid.
Gómez Orea. 2007. Evaluación Ambiental Estratégica. Mundi-Prensa. Madrid.
Canter, L. 1997. Manual de Evaluación de Impacto Ambiental. McGraw Hill. Madrid.
Conesa Fernández-Vitora. 1997. Guía Metodológica para la evaluación de impacto ambiental. Mundi-Presa. Madrid.
Conesa Fernández-Vitora. 1997. Los Instrumentos de la Gestión Ambiental. Mundi-Prensa. Madrid.
Enriquez Agós y Berenguer Pérez. 1987. Evaluación Metodológica del Impacto Ambiental de obras de defensa de costas. MOPU. Madrid.
Enriquez Agós y Berenguer Pérez. 1987. Evaluación Metodológica del Impacto Ambiental de un puerto Enriquez Agós y Berenguer Pérez. 1987. Evaluación Metodológica del Impacto Ambiental de un puerto Enriquez Agós y Berenguer Pérez. 1987. Evaluación Metodológica del Impacto Ambiental de un puerto deportivo. MOPU. Madrid.