SUBJECT TEACHING GUIDE

G1990 - Environmental Impact

Degree in Civil Engineering

Academic year 2023-2024

1. IDENTIFYING DATA					
Degree	Degree in Civil Engineering			Type and Year	Compulsory. Year 4
Faculty	School of civil Engineering				
Discipline	THE ENVIRONMENT				
Course unit title and code	G1990 - Environmental Impact				
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. CIENCIAS Y TECNICAS DEL AGUA Y DEL MEDIO AMBIENTE
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Other lecturers	JORGE RODRIGUEZ HERNANDEZ

3.1 LEARNING OUTCOMES

- Know and use the appropriate terminology of the discipline.
Manage the specific legislation on environmental evaluation and the sectorial legislation related to the environment.
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.
Propose measures and principles of environmental sustainability and risk prevention for plans and projects.
Know, propose and organize an Environmental Monitoring Program.

4. OBJECTIVES
That the student knows the concepts and working methods that constitute the body of doctrine of Environmental Assessment.
That the student is able to participate in the process of writing Environmental Impact Studies for plans, programs and projects.

6. COURSE ORGANIZATION	
CONTENTS	
1	Environmental impact concept.
2	Environmental fundamentals.
3	Environmental assessment I
4	Environmental assessment II
5	Environmental legislation
6	Environmental impact studies
7	Selection of alternatives
8	Environment. Value and study methodology.
9	Impacts identification
10	Environmental impact assessment methods
11	Environmental improvement measures
12	Environmental monitoring
13	Public participation
14	Environmental effects of construction
15	Legislation of environmental risks
16	Work site normative
17	Best management practices
18	Environmental and labour risk assessment

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Classroom exercises	Work	No	No	10,00
Written exam	Written exam	Yes	Yes	60,00
Academic paper	Work	No	Yes	30,00
TOTAL				100,00

Observations

In relation to the evaluation activities that are recoverable:
a) A student will only be able to appear for the recovery of those activities that he has not passed , that is, in which he has not obtained a minimum grade (Minimum: 3 in the work and equal to or greater than 4 in the written exam).
b) In the recovery period, the evaluation procedure of an activity will be the same as that of the activity that originates it.
c) An activity is considered recoverable when there is a possibility in the extraordinary recovery period of the University of Cantabria (UC).
d) Extraordinary evaluation: the student will have the right to take an exam in the extraordinary call with a value of 100% of the total grade of the recoverable activities of the subject.
Qualification not presented: when a student has not carried out activities whose weight exceeds 50% of the qualification of the subject, he will appear in the minutes of it as not presented. When tests involving the aforementioned 50% have been taken, the corresponding grade will appear in the minutes.
The typology of the exams foreseen in the guide will consist of questionnaires of questions that will be designed so that they can be carried out both in person and in the distance mode.
Remote evaluation will be used when the competent health and educational authorities so indicate.
The distance evaluation modality will be carried out through the telematic resources of the UC.
Advance of the call: students who request an advance of the call in accordance with the current Regulation of the evaluation processes of the UC, will be evaluated 100% of the subject through a single evaluation that will consist of a written exam (with a value of 60% of the grade total) and the completion and delivery of a practical work proposed by the teacher (worth 40% of the total grade).
According to RD 1125/2003 on the European credit system and the grading system in official university degrees throughout the national territory, the results obtained by the student in each of the subjects of the study plan will be graded based on of the following numerical scale from 0 to 10, with expression of a decimal, to which its corresponding qualitative qualification may be added:
0.0-4.9: Suspense (SS); 5.0-6.9: Approved (AP); 7.0.8.9: Remarkable (NT); 9.0-10: Outstanding (SB).

Observations for part-time students

Students in a part-time dedication regime will undergo an evaluation process that will consist of taking a written exam of the subject taught (70% of the final grade) plus the completion and delivery of an environmental evaluation work (30 % of final grade)

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

Colección de diapositivas utilizadas en las clases.
Conesa Fernández-Vitora. 2013. Guía metodológica para la evaluación de impacto ambiental. Mundo-Prensa, Madrid.
Arce Ruiz, R.M. 2013. La evaluación ambiental en la ingeniería civil. Mundi-Prensa, Madrid.
Garmendia, A.; Salvador, A.; Crespo, C.; Garmendia, L. 2005. Evaluación de impacto ambiental. Pearson/Prentice Hall, Madrid.
Gómez Orea, D. 2007. Evaluación ambiental estratégica. Mundi-Prensa, Madrid.
Gómez Orea, D. 2002. Evaluación de impacto ambiental. Mundi-Prensa, Madrid.
Merino, A. 2000. Evaluación y prevención de riesgos. Grupo editorial Ceaec, Barcelona.
Díaz Molinar, R. 2004. Guía práctica para la prevención de riesgos laborales. Lex-Nova, Valladolid.