

SUBJECT TEACHING GUIDE

G2053 - Cross-Curricular Values and Objectives of Sustainable Development

First Degree in Civil Engineering

Academic year 2024-2025

1. IDENTIFYING DATA					
Degree	First Degree in Civil Engineering			Type and Year	Core. Year 1
Faculty	School of civil Engineering				
Discipline					
Course unit title and code	G2053 - Cross-Curricular Values and Objectives of Sustainable Development				
Number of ECTS credits allocated	6	Term	Semester based (1)		
Knowledge Field					
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	AMAYA LOBO GARCIA DE CORTAZAR				
E-mail	amaya.lobo@unican.es				
Office	E.T.S. de Ingenieros de Caminos, Canales y Puertos. Planta: + 2. DESPACHO (2028)				
Other lecturers	PEDRO DIAZ SIMAL MARIA ESTHER GONZALEZ GONZALEZ SAUL TORRES ORTEGA PEDRO LASTRA GONZALEZ				

4. OBJECTIVES

Reflect on ethical problems in the professional activity of the engineer.
Identify human rights and their fundamentals.
Identify and critically evaluate acts of discrimination.
To know indicators to evaluate human well-being.
To know tools to develop engineering projects under the Human Rights approach.
Identify the need to develop accessible, user-centered engineering.
Describe strategies and tools to improve accessibility.
Describe strategies and tools to design for all.
Identify the role of civil engineering in achieving sustainable development goals.
Identify the need of environmental sustainability.
Identify the implications of climate change.
Describe solutions for the mitigation and adaptation to climate change.

6. SUBJECT PROGRAM

CONTENTS	
1	Professional ethics for engineers.
2	Human rights, fundamental rights and democratic values.
3	Equal treatment and anti-discrimination.
4	Universal accessibility and design for all.
5	Civil Engineering and the Sustainable Development Goals.
6	Sustainability and Climate Change.

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Report on professional ethics for engineers.	Work	No	Yes	17,00
Report in Human Rights and Discrimination.	Work	No	Yes	13,00
Report on universal accesibility and design for all.	Work	No	Yes	13,00
Questionnaires.	Written exam	No	Yes	20,00
Report on Sustainable Development Goals.	Work	No	Yes	11,00
Report on Sustainability and Climate Change.	Work	No	Yes	11,00
Oral presentation of reports in class.	Oral Exam	No	No	10,00
Practices on universal accesibility and design for all.	Others	No	No	5,00
TOTAL				100,00

Observations

In relation to the agreements adopted at the ordinary session of the School Board held on June 10, 2010, it is established that, with respect to the evaluation activities that have the character of recoverable,

- As a general criterion and unless otherwise specified in this guide, a student will only be able to present himself/herself for the recovery of those activities that he/she has not passed, that is to say, in which he/she has not obtained a minimum grade of five out of ten.

- As a general criterion, and unless otherwise specified in this guide, in the recovery period the procedure of evaluation of an activity will be the same as that of the activity that originates it.

Note: According to the royal decree RD 1125/2003 on the European credit system and the grading system in official university university degrees of an official nature and valid throughout the national territory, the results obtained by the student in each one of the subjects of the each of the subjects of the syllabus will be graded according to the following numerical scale from 0 to 10, with one decimal place, to the 0,0-4,9: Failure (SS). 5,0-6,9: Passed (AP). 7.0-8.9: Notable (NT). 9,0-10: Outstanding (SB).

Observations for part-time students

Part-time students will be able to opt for a one-time evaluation, which will include the non-face-to-face activities foreseen for each module.

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

Colección de presentaciones del profesorado para cada bloque de contenidos.