SUBJECT TEACHING GUIDE

5224 - Sustainability and the Environment

Degree in Geography and Land Planning

Academic year 2026 - 2027

1. IDENTIFYING DATA					
Degree	Degree in Geography and Land Planning			Type and Year	Core. Year 1
Faculty	Faculty of Humanities				
Discipline					
Course unit title and code	5224 - Sustainability and the Environment				
Number of ECTS credits allocated	6	Term		Semester based (2)	
Knowledge Field	History, archaeology, geography, philosophy and humanities				
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. GEOGRAFIA, URBANISMO Y ORDENACION DEL TERRITORIO
Name of lecturer	PABLO FERNANDEZ DE ARROYABE HERNAEZ
E-mail	pablo.fdezarroyabe@unican.es
Office	E.T.S. de Ingenieros de Caminos, Canales y Puertos. Planta: + 2. DESPACHO (2046)
Other lecturers	VIRGINIA CARRACEDO MARTIN

4. OBJECTIVES
Recognize the main concepts and terminology in the field of the environment and sustainability and their use in geographical works
Obtain a first approximation to the physical-environmental structures of planet Earth as well as the main methods and techniques used in environmental studie
Identify and understand major global environmental problems.
Understand the role of geography in the field of environmental education for sustainability
Identify and understand the natural environment of Cantabria and its main environmental problems.

6. SUBJECT PROGRAM
CONTENTS

1	Introduction to the environment
2	Ecological foundations of the environment
3	Natural resources and energy sources
4	Basis of environmental pollution
5	The major global environmental problems
6	Urban spaces and sustainability
7	Environmental education for sustainability
8	Citizen participation and environmental governance

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessment	%
Theoretical exam 50%	Written exam	Yes	Yes	50,00
Continous assessment 40%	Others	No	Yes	40,00
Fielde Trip 10%	Work	No	No	10,00
TOTAL				100,00
Observations				
Fraudulent participation in assessment activities (plagiarism, misappropriation of third-party information or information generated with AI without proper citation, etc.) will result in a failing grade (0) for the subject in the corresponding examination period. Its consideration and the corresponding sanctions will be governed by the regulations of the University of Cantabria for such cases..				
Observations for part-time students				
Part-time students, or those who are justifiably unable to follow continuous assessment, may be assessed through the submission of an assignment that will be agreed upon with the professor responsible for the subject.				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
Ministerio de Agricultura, Alimentación y Medio Ambiente, 2014. Guía para la Elaboración de Estudios del Medio Físico (4ª edición) Edita: fundación Conde del Valle de Salazar (ETSI de Montes) Coedita: Ministerio de Agricultura, Alimentación y Medio Ambiente. Acceso a la Guía en formato digital en: https://oa.upm.es/55224/
Craig, J.R., 2006. Recursos naturales de la Tierra. Pearson Editorial, 656 pp.
Cendrero et al. (1993) Guía de la naturaleza de Cantabria (3ª edición). Santander: Estudio
Fernández Fernández, A. (2022). Geografía y medio ambiente (1.). UNED