

## SUBJECT TEACHING GUIDE

G536 - Environmental Education and its Didactics

Double Degree in Teaching in Early Childhood Education and Primary Education  
Degree in Early Childhood Education  
Degree in Primary Education Teaching  
Academic year 2022-2023

1. IDENTIFYING DATA					
Degree	Double Degree in Teaching in Early Childhood Education and Primary Education			Type and Year	Optional. Year 3 Optional. Year 3
Faculty	School of Teacher Training				
Discipline	Subject Area: Environmental Education and Didactics Module: Complementary or Specialised Training				
Course unit title and code	G536 - Environmental Education and its Didactics				
Number of ECTS credits allocated	6	Term	Semester based (1)		
Web					
Language of instruction	Spanish	English Friendly	Yes	Mode of delivery	Face-to-face

Department	DPTO. CIENCIAS DE LA TIERRA Y FISICA DE LA MATERIA CONDENSADA				
Name of lecturer	JUAN REMONDO TEJERINA				
E-mail	juan.remondo@unican.es				
Office	Facultad de Ciencias. Planta: + 2. DESPACHO PROFESORES (2018)				
Other lecturers					

3.1 LEARNING OUTCOMES
- To understand the following concepts: what is the environment? how it is organized and how the environment work?, man's role in the environment, environmental problems, sustainable development.
- To understand the scientific principles in which environmental education is based.
- To be able to design environmental education activities for schools, utilizing different educational tools.
- To be able to propose and produce environmental awareness campaigns in schools.

#### 4. OBJECTIVES

- To make the students to understand the fundamentals of the Environmental Education and to know the structure of the natural systems and their relationships with the human system.
- Students need to know the main global environmental problems and the environmental issues in Cantabria.
- Students need to be familiar with the methods and techniques used in Environmental Education and to be able to apply the most appropriate ones for pre-school and primary education.

#### 6. COURSE ORGANIZATION

CONTENTS	
1	Environmental Education. Definition, general concepts and goals. Curriculum design.
2	Methods and educational tools in Environmental Education.
3	Environment: concept and characteristics. Man-Environment relationships over time. Understanding the environment from a systemic point of view.
4	Physical principles and basic concepts of environmental sciences. Didactic guidelines.
5	Main environmental problems and their causes. The knowledge of environmental issues as a tool for environmental education.
6	Sustainable Development. Towards sustainable management of natural resources. Sustainability in pre-school and primary education. U.N. Sustainable Development Goals.
7	The environment in the Cantabria Region: a teaching tool for environmental education.
8	Examples of Environmental Education tools.
9	Complementary, during the course there will be 50-minute seminars that will address current environmental issues.

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Final exam (technical/practical)	Written exam	Yes	Yes	55,00
Group work Groups will consist of 4-5 students who will produce a work on a topic proposed by the professor. They will make an oral presentation (15-20 minutes) at the end of the course.	Work	Yes	No	30,00
Laboratory practical work: report evaluation	Laboratory evaluation	No	Yes	15,00
<b>TOTAL</b>				<b>100,00</b>
<b>Observations</b>				
To pass the course it is necessary to obtain a minimum score of 5 (average mark of all evaluation activities).				
GRAMMAR: spelling, accentuation and punctuation, grammar and lexical correction is essential and compulsory in the work and exams, as an essential condition to pass the course.				
PLAGIARISM: regarding the fraudulent conduct (plagiarism) of the assessment tests, the qualification will be adjusted to the established in the article 32 of the Regulation of the assessment processes in the University of Cantabria: 'The fraudulent realization of the tests or assessment activities will directly involve the grade of '0' in the subject'.				
CITATION: APA rules are assumed as citation criteria for all academic works : <a href="http://web.unican.es/buc/recursos/guias-y-tutoriales/guia?g=28">http://web.unican.es/buc/recursos/guias-y-tutoriales/guia?g=28</a>				
<b>Observations for part-time students</b>				
Partial enrollment students must pass the final exam (55 % of the final mark), submit the laboratory practice reports (15 %) and do the course work (30 % of the final mark).				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
<b>BASIC</b>
Caduto, M. (1992). Guía para la enseñanza de valores ambientales. Libros de la Catarata. Madrid. (Serie de Educación Ambiental nº 13, del Programa Internacional de Educación Ambiental Unesco-PNUMA).
Cendrero, A., D. Jiménez Beltrán, M. Bautista, R. Robles, G. González Bernáldez, F. López Bermúdez y R. Martín (1993). Medio Ambiente y desarrollo. Antes y después de Río-92. Fundación Marcelino Botín. Santander.
Enger, E.D. y Smith, B.F. (2006). Ciencia ambiental. Un estudio de interrelaciones (nueva edición). McGraw-Hill Interamericana.
Jiménez Herrero, L. (2000). Desarrollo sostenible. Transición hacia la coevolución global. Pirámide.
Nebel, B.J. y Wriqth, R.T. (1999). Ciencias Ambientales: ecología y desarrollo sostenible. Pearson-Prentice Hall.
Novo, M. (1995). La Educación Ambiental. Bases éticas, conceptuales y metodológicas. Universitas. Madrid.
Pardo, A. (1995). La Educación Ambiental como Proyecto. Horsori. Barcelona.
Sánchez, F.J. (2011). Actividades prácticas para educación ambiental en el siglo XXI. Bubok Publishing S.L. Madrid.
Tyler Miller, G. jr. (1994). Living in the Environment. Wadsworth Publishing Company.
UNESCO (1994). Tendencias de la Educación Ambiental a partir de la Conferencia de Tbilisi . Libros de la Catarata. Bilbao (España).

