

SYLLABUS
ACADEMIC YEAR 2017-18

1. COURSE DESCRIPTION

Degree:	Environmental Sciences
Course:	Energy Optimization and Renewable Energy
Module:	Environment Management, Quality, Conservation and Planning
Department:	Physical, Chemical and Natural Systems
Academic Year:	2017-18
Term:	First
ECTS credits:	6
Year:	3rd year
Type:	Compulsory
Language:	Spanish

Course Model:	B1	
a. Basic learning (EB):		60%
b. Practical learning (EPD):		40%

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2. LECTURER

Coordinator	
Name:	Cristina Peña Ortiz
School:	School of Experimental Sciences
Department:	Physical, Chemical and Natural Systems
Area:	Fisiología Vegetal
Office Hours:	Mondays and Thursdays from 10.00 to 12.00, Tuesdays from 16.00 to 18.00 Online tutoring is also available by prior contact through email.
Office:	22-3-1f
E-mail:	cpenort@upo.es
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3. SUBJECT STRUCTURE (UNITS)

Unit 1: Introduction: Energy and sustainable development.

Unit 2: Power Conversion.

Unit 3: Fossil Fuels.

Unit 4: Nuclear Power.

Unit 5: Hydropower.

Unit 6: Solar Energy.

Unit 7: Wind Power.

Unit 8: Other Types of Renewable Energy.