

28947 - Sustainable development and the environment

Información del Plan Docente

Academic Year	2016/17
Academic center	201 - Escuela Politécnica Superior
Degree	437 - Degree in Rural and Agri-Food Engineering
ECTS	6.0
Course	4
Period	Half-yearly
Subject Type	Compulsory
Module	---

1.Basic info

1.1.Recommendations to take this course

1.2.Activities and key dates for the course

2.Initiation

2.1.Learning outcomes that define the subject

2.2.Introduction

3.Context and competences

3.1.Goals

3.2.Context and meaning of the subject in the degree

3.3.Competences

3.4.Importance of learning outcomes

4.Evaluation

5.Activities and resources

5.1.General methodological presentation

Theory (3 ECTS) and practical lectures (3 ECTS).

5.2.Learning activities

Theory lectures (3 ECTS) will be mainly participative. Its development will consist in the explanation by the teacher of a part of the subject, with an active participation of the students. In some cases theory lessons will be dedicated to an application of theoretical concepts seen before. In other cases, the students will develop the lecture, following teacher's guidelines. The teacher will seek for student's participation, posing problems whose solutions can be focused using tools

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as Environmental Education or other subjects, searching for integration and reasoning by the students.

In all, learning activities comprise 30 on-site hours, where the teacher will use Power Point presentations frequently.

Practical lectures (3 ECTS) will be of three types: field work; on-site practices in the classroom and collective tutorials. Field work will be natural environments with relevant Sustainable Development examples. On-site practices will be in normal classrooms or computer classrooms. All of them will be participative processes related to different study cases regarding practical situations, specific aspects of the collective report, etc. Collective tutorials will consist in the consultation of the teacher by the groups of students, in order to discuss approaches, objectives, structure and development of the reports.

There will be two days of field work, corresponding with 10 hours of lectures; 16 hours of on-site lectures, that is 8 practices of 2 hours each and 4 hours of collective tutorials. In all, 30 hours of on-site

5.3.Program

Theory program

General aspects on Sustainable Development integrated in the Environment

Environmental Education for Sustainable Development

Conservation and Sustainable Use of Nature

Protected Areas

Hunt

Agriculture

Livestock

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Theory 2	2	2	2	2	2	2	2	2	2	2	2	
Problems									2		2	
Lab	2	2					6					
Individual work	2	2	2	2	2	2	2	2	2	3	4	3
Team work	2	2	2	2	2	2	2	2	2	2		2
Activity and week	12	13	14	15	16	17	18	19	20	Total		
<i>On-site</i>											64	
Theory 2	2	2				2					30	
Problems	2	2									8	
Lab	2										12	
Individual work	4	3	4	7	7	6	8	4			69	
Team work		1									31	
Evaluation								4			4	
Total	16	16	16	15	15	16	16	16			150	

5.5. Bibliography and recommended resources

Every course references are updated and can be consulted in the School's web.