

25229 - Environment Management Projects and Systems

Información del Plan Docente

Academic Year	2018/19
Subject	25229 - Environment Management Projects and Systems
Faculty / School	201 - Escuela Politécnica Superior
Degree	277 - Degree in Environmental Sciences
ECTS	6.0
Year	4
Semester	First Four-month period
Subject Type	Compulsory
Module	---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such lectures, project-based learning, autonomous work and study and tutorials.

4.2.Learning tasks

This course is organized as follows:

- **Lectures.** The teacher explains the theoretical content of each session. One of the objectives of this activity will be

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the promoting of the participation of the students and the cooperative learning.

- **Project-based learning.** Students gain knowledge and skills by working with examples of real projects. The analysis of environmental information of local and regional administrations is included.
- **Autonomous work and study.** The goal of this activity is to achieve the ability to take charge of one's learning based on individual and group works.
- **Tutorials.** Students working in groups or individually, meet up with the professor and discuss their studies.

4.3.Syllabus

This course will address the following topics:

Lectures

- **Topic 1.** Introduction. Concept, objectives and characteristics of projects.
- **Topic 2.** Types of projects. Phases of a project. General framework.
- **Topic 3.** Contents of a classical project.
- **Topic 4.** The project in a company. Its management.
- **Topic 5.** Detection of opportunities. Client, market and product. Business plan. Business opportunities. Public tenders. The Contract Act of public administrations.
- **Topic 6.** Assessment of projects and activities.
- **Topic 7.** Preparation of offers and their presentation. Work allocation.
- **Topic 8.** Project monitoring. Revision of offers and agreements. Organization and collection of resources. Project configuration control. Changes in the scope of projects. Application to environmental projects.
- **Topic 9.** Closure of projects. Acceptance. Closure reports. Project outcome indicators.

Practice sessions and real case studies on which students will work during the whole subject.

Distance Activities will be done by students without time restrictions and will consist of the exercises proposed during the theoretical and practical sessions.

4.4.Course planning and calendar

It is estimated that an average student should devote a total of 150 hours to this 6 ECTS course. This time must include both classroom and non-attendance activities. The student must ensure that the dedication is distributed evenly throughout the term.

Type Activity	Total
Face-to-face activity	60
⁻ Theory	30
⁻ Problems	24
⁻ Evaluation	6

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Non face-to-face work	90
⁻ Individual work	76
⁻ Team work	14
TOTAL	150

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the Faculty of Sciences website and Moodle.

4.5. Bibliography and recommended resources

- BB** Conesa Fernández-Vítora, Vicente. Guía metodológica para la evaluación del impacto ambiental / Vicente Conesa Fdez-Vítora ; colaboradores, Vicente Conesa Ripoll [et al.] ; prólogo de María Teresa Estevan Bolea . 3ª ed. rev. y amp., reimp. Madrid [etc.] : Mundi-Prensa, 1997|g(reimpr. 2000)
- BB** Gómez Orea, Domingo. Consultoría e ingeniería ambiental : planes, programas, proyectos, estudios, instrumentos de control ambiental, dirección y ejecución ambiental de obra, gestión ambiental de actividades / Domingo Gómez Orea, Mauricio Gómez Villarino . Madrid : Mundi-Prensa, 2007
- BB** Granero Castro, Javier. Cómo implantar un sistema de gestión ambiental según la norma ISO 14001:2004 :/ Javier Granero Castro, Miguel Ferrando Sánchez . 2ª ed. Madrid : Fundación Confemetal, 2009
- BB** Kiely, Gerard. Ingeniería ambiental : Fundamentos, entornos, tecnologías y sistemas de gestión / Gerard Kiely ; coordinador de la traducción y revisión técnica, José Miguel Veza . 1a ed. en español Madrid : McGraw-Hill, D.L. 1999
- BB** La evaluación del impacto ambiental de proyectos y actividades agroforestales / coordinadores, Manuela Andrés Abellán, Francisco Antonio García Morote . Cuenca : Universidad de Castilla-La Mancha, 2006
- BB** Margalef, Ramón. Ecología / Ramón Margalef . 10a reimp. Barcelona : Omega, cop. 2005

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BB

Restauración hidrológico forestal de cuencas y control de la erosión : ingeniería medioambiental / [dirección, Filiberto López Cadenas de Llano ; colaboradores, Gonzalo Fernández Tomás...(et al.)] . 2ª ed., rev. y amp. Madrid : TRAGSA : TRAGSATEC : Ministerio de Medio Ambiente : Mundi-Prensa, 1998

The updated recommended bibliography can be consulted in:
<http://psfunizar7.unizar.es/br13/egAsignaturas.php?id=2187>