

Syllabus Information

Academic Year: 2022/23

Subject: 25259 -

Faculty / School: 201 - Escuela Politécnica Superior

Degree: 571 - Degree in Environmental Sciences

ECTS: 6.0

Year: 4

Semester: Second Four-month period

Subject Type: Compulsory

Module:

1. General information

2. Learning goals

3. Assessment (1st and 2nd call)

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The learning process designed for this subject is based on the following:

Along with expository and participative classroom lectures, there are practical case study sessions (participative-active-interrogative type activities) and analysis of environmental administrative information from local and autonomous administrations.

4.2. Learning tasks

The program offered to the student to help him/her achieve the expected results includes the following activities....

1 Theoretical expository classes. They will consist of the exposition of lectures, motivating the participation of the students. Its purpose is to transmit the notions of the subject in a clear, systematic and synthetic way. It is intended to arouse interest in the subject and motivate the student in their individual study and that the master class is a dialogue in which not only is exposed but also questions are asked, doubts are resolved, discussed and debated.

2 Resolution of problems and cases.

3 Practice of computer programs.

4 Work assignments.

5 Tutorials: sessions that, at the request of the students, should solve doubts about the previous activities. Follow-up of the works: besides attending the doubts arisen from the theory part, they carry out a follow-up and orientation of the personal works of the students.

The tutoring schedule will be detailed in <https://directorio.unizar.es/#/tutoria?colectivo=PDI&codCentro=201>.

It is possible to arrange a tutoring session with the professor at other times, either in person or by e-mail, and it is also possible to make queries by the same means.

4.3. Syllabus

Theory program

- 1-Introduction. Concept, objectives and characteristics of projects.
- 2-Types of projects. The phases of a project. General framework.
- 3-Contents of a classic project.
- 4-The project in the company. Management and Direction.
- 5-Detection of opportunities. Customer, market and product. Business plan. Commercial opportunities. Tenders. Public Administration Contracts Law.
- 6-Evaluation of the project and activities.
- 7-Preparation of bids and their presentation. Award of the work
- 8-Project follow-up. Bid and contract review. Organization and gathering of resources. Project configuration control. Project scope changes. Application to Environmental Projects.
- 9-Project closure. Acceptance. Closure report. Indicators of project results.

The practical activities are divided into:

- Study of specific projects.
- Study of environmental impact assessment reports.
- Drafting of Environmental Assessment Reports
- Drafting of Environmental Monitoring Reports

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., reimpr. Madrid [etc.] : Mundi-Prensa, 1997 (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. Madrid : McGraw-Hill, D.L. 2003
- 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. reimpr. Barcelona : Omega, cop. 2005
- 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://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=25259>