

Syllabus Information

Academic year: 2024/25

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

The subject is presented as a fundamental tool for acquiring skills in the interpretation of projects subject to environmental impact assessment, as well as in the drafting and definition of compensatory measures, their economic valuation and programming of their execution.

The main objective of this subject is to train the student to be able to interpret any type of project that involves an environmental impact assessment, and from the documents presented, to be able to draft compensatory measures that allow the execution of the project. This entails learning how to economically value these measures as well as their scheduling in time and cost.

These approaches and objectives are aligned with Sustainable Development Goals (SDGs) 2 and 11 of the 2030 Agenda and, specifically, with Objectives 2.4, 11.6 and 13.

2. Learning results

Interpret projects of all types, both classical and those that comply with the most modern project concepts, knowing how to describe the different documents that make up a project subject to environmental impact assessment, know the content of the same and know how to interpret them correctly. Based on these documents, we will be able to predict how the project will be executed in order to prepare an environmental monitoring document.

Identify environmental impacts produced by activities derived from the execution of projects and the implementation of activities.

Use with sufficient dexterity the computer tools for the drafting and elaboration of budgets, as well as for the planning and programming of projects valid for environmental management and restoration projects.

Budget environmental impact studies, deepening in the knowledge of the definition of the necessary work units, as well as in the definition of their price, and the programming in time and cost of the execution of compensatory measures.

Describe the corrective and preventive measures to be applied, as well as their follow-up.

Recognize, within the framework of professional competencies, the fulfilment of:

Municipal ordinances.

Urban planning legality.

Safety regulations.

Sanitary regulations.

Environmental regulations.

Any others that may be required.

Convey information, orally and in writing.

Explain administrative procedures for environmental impact statements and environmental remediation within the framework of projects.

These learning results are aligned with SDG 2, 11 and 13

3. Syllabus

Theory program

1 Introduction. Concept, objectives and characteristics of the 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. Law of Contracts of the Public Administrations

6 Evaluation of the project and activities

7 Preparation of bids and their presentation. Award of work

8 Project follow-up. Review of the offer and the contract. Organization and collection of resources. Control of project configuration. Changes in the scope of projects. Application to Environmental Projects.

9 Closing of the project. Acceptance. Closing report. Project performance indicators.

The practical activities are divided into:

Study of specific projects

Study of environmental impact

evaluation reports. Drafting

of Environmental Evaluation Reports

Drafting of

Environmental Follow-Up

Reports.

4. Academic activities

The program offers the students help to achieve the expected results and comprises the following activities: Theoretical lectures. Lectures that encourage student participation.

Its purpose is to transmit the notions of the subject in a clear, systematic and synthetic way. The aim is to awaken interest in the subject and motivate the student in their individual study so that the master class is a dialogue in which not only topics are explained but also questions are asked, doubts are solved, discussed and debated.

Problem solving and case studies.

Computer software practices.

Production of works.

Tutorials: sessions that, at the students' request, should help to solve doubts about the previous activities. Follow-up of the works: in addition to answering the doubts arising from the theory part, in the tutorials the teachers follow up and guide the students' personal work.

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 teacher at other times, either in person or by e-mail, and it is also possible to ask questions by e-mail.

5. Assessment system

The evaluation system of the subject will be global, face-to-face, on the date officially announced by the Center (http://eps.unizar.es/sites/eps.unizar.es/files/users/ccano/curso20_21/examenes/examenes_20-21_ccaa.pdf).

The overall final test will consist of two different activities:

Activity 1 (A1). Written exam of the theoretical part of the subject. The contents group knowledge acquired in a complementary way through the face-to-face classes and the work done by the students under the supervision of the teacher. This written test will be evaluated from 0 to 10 points and will be worth 50% of the final grade of the subject.

Activity 2 (A2). Work presented by the students and carried out in groups of 3 students (in justified cases and with the teacher's approval the number of students per group may be modified). The contents of such work will be specified during the academic year. The work shall be submitted in writing. The grade obtained in the work will be equal for all students in the same group. This activity will be evaluated from 0 to 10 points and will have a value of 50% of the final grade of the subject.

In each call the student must take an exam for 100% of the subject (evaluation activities 1 and 2). During a same academic year, in the event that one of the two evaluation activities (written exam or paper) has been graded with a 5 or less in the first call, and the final grade of the subject has been "failed", the student may keep the passed part for the second call without having to take the exam of that activity.

This does not apply to different academic years.

The subject will not be evaluated on a continuous basis.

Grading.

A1 = activity 1 = written exam.

A2 = activity 2 = work.

The final grade of the subject (CF) will be determined by the following weighting: $CF = 0.5 \text{ Grade A1} + 0.5 \text{ Grade A2}$ In order to pass ($CF > 5$) it is essential to obtain a grade greater than or equal to 4 in each of the activities: Grade A1 > 4.0 ; Grade A2 > 4.0

In the case that the minimum grade of any of the two evaluation activities does not exceed the minimum required, the final grade will be obtained as follows:

If $CF > 4$, the final grade will be: Fail (4.0) If $CF < 4$, the final grade will be: Fail (CF)

Assessment criteria

The following criteria will be considered in both tests and assignments, if applicable: The concreteness and accuracy of the answers.

The approach to problem solving.

The order, presentation and interpretation of the results.

Clarity in diagrams, figures and graphic representations. Spelling mistakes.

The absence of explanations and justifications in the development of the tests.

In relation to the 2030 Agenda, students' acquisition of competencies related to SDGs 2, 11 and 13 will be assessed in the written exam of the theoretical part

The success rate of the subject in the last three years has been 97,37%, 100,00% and 100,00%.

6. Sustainable Development Goals

2 - Zero Hunger

11 - Sustainable Cities and Communities