

26426 - Projects and Legislation in Geology

Syllabus Information

Academic year: 2024/25

Subject: 26426 - Projects and Legislation in Geology

Faculty / School: 100 - Facultad de Ciencias

Degree: 296 - Degree in Geology
588 - Degree in Geology

ECTS: 6.0

Year: 4

Semester: Second semester

Subject type: Compulsory

Module:

1. General information

One of the most frequent professional functions of the geologist is to participate in the planning, management and development of business or institutional projects where geological information is required. Therefore, the geologist must know the necessary requirements, as well as the laws and regulations related to the different types of projects in which they are competent, since failure to comply with them may result in penalties, delays or even compromise their continuity.

These approaches and objectives are aligned with the Sustainable Development Goals (SDGs) of the 2030 Agenda of United Nations (<https://www.un.org/sustainabledevelopment/es/>), in such a way that the acquisition of the learning results of the subject provides training and knowledge, skills and competencies to contribute to some extent to the achievement of: SDG 4: Quality education; SDG 9: Industry, innovation and infrastructure; and SDG 12: Responsible production and responsible consumption.

2. Learning results

- Know the current legislation and regulations associated with the activities developed in different types of projects or actions that require the participation of geologists, with special emphasis on the laws and regulations related to the activities that are or may be the competence of the geologist.

- Know how to plan and develop geological projects and other types of professional activities that are the competence of the geologist (e.g., industrial, engineering, environmental, museum, expertise...)

- Know how to structure and draft geological reports and the geological parts of other types of documents, providing them with the necessary contents according to their purpose and destination.

- Know how to draw conclusions from technical information and give reasonable and feasible (technically and economically) recommendations for action.

- Produce budgets and economic offers correctly justified and dimensioned.

- Know the administrative legal procedure, with attention to the essential procedures in the correct development of the geologist's profession, as well as the procedures common to the professional practice.

3. Syllabus

T1: Professional activity of the geologist

T2: Spanish legislative framework and legal-administrative procedure

T3: Mining legislation

T4: Restoration and environmental impact assessment

T5: Water, coastal and wetlands legislation

T6: Quotations and offers

T7: Prevention of occupational risks. Social security
T8-9: Natural and cultural heritage legislation
T10: Quality, standards and accreditation
T11-13: Building codes and regulations: Building Management Law, the Technical Building Code and seismic-resistant standard
T14 Construction codes and regulations in civil works
T15: Standardization in materials and geological resources
T16: Legal expertise and civil liability
T17: The College of Geologists and professional practice
T18: Applications for funding for research projects

4. Academic activities

Master classes: 20 h. Sessions in which the teacher will explain the syllabus.

Practical sessions: 40 h. Developed in 13 practical sessions, of approximately 3 h of duration, focused on the planning, management and development of a project, in small groups of students, and the study of practical cases related to the theory syllabus. This activity is mandatory.

Assessment tests. 4 h.

5. Assessment system

Continuous evaluation mode

- Design and development of a project (60% of the value of the overall grade), with the following proportions, evaluated from 0 to 10 points: Written work: 60%; Previous delivery of the project: 20%; Presentation of the project; 20%. Students who have achieved a grade lower than 5 points in 2 or more sections of the written work will not pass the final work. The sections will be weighted with a grade equal to or higher than 3.5.

- Quizzes of the theoretical classes (15% of the value of the overall grade)

- Case studies (25% of the overall grade value)

Each of the activities will be graded from 0 to 10 points, being understood as passed with a grade equal to or higher than 5 points.

If the student has not passed the subject by continuous evaluation, they will have the opportunity to pass it by means of a global test in the two official calls, which will involve the development of a project that includes all the foreseen sections.

6. Sustainable Development Goals

8 - Decent Work and Economic Growth
9 - Industry, Innovation and Infrastructure
12 - Responsible Production and Consumption