

26426 - Projects and Legislation in Geology

Información del Plan Docente

Academic Year	2017/18
Faculty / School	100 - Facultad de Ciencias
Degree	296 - Degree in Geology
ECTS	6.0
Year	4
Semester	Second semester
Subject Type	Compulsory
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

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

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

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

-Learning the professional skills of geologists, the various types of projects and their content (different types of documents, formal requirements and content, legislation and regulations).

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-Practicals: taking into account the applicable laws and regulations, the student will work on different case-studies related to various aspects of the projects (data processing, drawing conclusions, feasibility of a recommendation, administrative procedures, documentation, activities, etc.)

- Tutored individual work: project planning and schematic development of the documentation required. Each student must present and defend their work to teachers and other students.

5.2.Learning tasks

The following activities are offered to help the student to achieve the expected results:

Activity 1: Learning the usual procedures applied to the development and implementation of projects on different fields of geology. Learning legislation related to Geology

Methodology: Participatory Lectures (2,5 ECTS)

Competencies:

- Knowing procedures for developing projects, reports and studies on various aspects of Applied Geology.
- Understanding and interpreting legislation related to different areas of Geology
- Writing, planning and scheduling a project
- Knowing the civil responsibility in the development of professional activity. Develop skills and strategies work in situations of legal conflict

Activity 2: Learning practical management methods and project supervision.

Methodology: Seminars, case-studies (2 ECTS)

Competencies:

- Develop projects, reports and studies on various aspects of Applied Geology.
- Knowing tools for project monitoring
- Manage projects of geological nature and Geological advise on other projects.

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Activity 3: Case-studies and design of a Project.

Methodology: Individual work, monitoring, tutoring and specific seminars (1,5 ECTS)

Competencies:

- Gathering information from various sources and analyze it critically.
- Developing projects, studies and reports.
- Correctly writing technical documents
- Writing and oral presentation of essays.

5.3.Syllabus

The program is divided into 24 theoretical subjects, and twelve sessions of practical classes and guidance for the development of a personal work.

Theoretical topics:

T01: Introduction and evaluation criteria

T02: Development of the professional activity of geologists

T03: Types of projects in Geology

T04: Spanish legislative framework: Relevant laws and legal and administrative procedures.

T05: Mining legislation: The Law 22/1973 and its regulation (RD 2857/1978)

T06: Mining legislation: .The RD 975/2009 and the Law 21/2013 on environmental assessment

T07: Legislation on Water and Shores.

T08: Legislation on Mines, Water and Shores for continuous evaluation

T09: Budgets and offers

T10: Legislation on natural heritage and environment. Environmental Impact Assessment.

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T11: Cultural heritage legislation

T12: Prevention of occupational hazards. Social Security

T13: Quality, norms and certification I

T14: Quality, norms and certification II

T15: Building codes and regulations (CTE, EHE, NSRE...) I

T16: Building codes and regulations (CTE, EHE, NSRE...) II

T17: Standardization in materials and geological resources

T18: Profession: Historical development. Visa and professional association of geologists

T19: Legal experts and civil liability in geological projects. The geologist as expertise

T20: The independent Professional and as an autonomous worker. Conflicts and civil liability

T21: Request forms: Examples for authorizations of mining activities

T22: Development of Projects: Mining research Projects

T23: Development of Projects: Restoration plans

T24: Development of Projects: Environmental documents

Practicals:

P01: Preparation of Projects I: Contents and index

P02: Preparation of Projects II: Searching for information in official webs and books

P03: Preparation of Projects III: Writing the Projects

P04: Spanish legislative framework and Natural heritage legislation

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P05: Cultural heritage legislation

P06: Quality management, norms and certification

P07: Building codes and regulations

P08: Standardization in materials and geological resources

P09: Legal expertise and civil liability in geological projects.

P10: Preparation of Projects IV

P11: Preparation of Projects V

P12: Preparation of Projects VI

5.4.Course planning and calendar

The lectures will be held on Tuesday and Wednesday from 9:00 to 10:00 throughout the second semester.

The practical sessions will be held on Wednesday: group I) from 15:00 to 18:00; group II) from 18:00 to 21:00.

5.5.Bibliography and recommended resources

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|-----------|---|
| BB | Colón De Carvajal Fibla, B.. LA LEY DE CONTRATOS DEL SECTOR PÚBLICO: UN ANÁLISIS PROFUNDO DE LOS IMPORTANTES CAMBIOS QUE SE AVECINAN 2010 |
| BB | García García, C.. MANUAL DE GESTIÓN Y CONTENIDOS DE PROYECTOS MINEROS Universidad de Murcia. 1999 |
| BB | Guía práctica para la Realización de Trabajos Fin de Grado y Trabajos Fin de Máster / Mari Paz García Sanz, Pilar Martínez Clares (coords.) . 1ª ed., 2ª reimpr. Murcia : edit.um, 2013 |
| BB | Hamilton Wilson, M.. FORMULACIÓN Y EVALUACIÓN DE PROYECTOS TECNOLÓGICOS EMPRESARIALES APLICADOS. Convenio Andres Bello. 2005 |



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- BB** Pellicer Armiñana, E.. EL PROCESO PROYECTO-CONSTRUCCIÓN: [APLICACIÓN A LA INGENIERÍA CIVIL]. - 2004 Ed. Universidad Politecnica de Valencia
- BB** Valoración de obras de ingeniería civil / Amalia Sanz Benlloch, Miguel Mondría García, Eugenio Pellicer Armiñana , Joaquín Catalá Alís . 1ª ed., reimp. [Valencia] : Universitat Politècnica de València, 2004 [g(imp. 2011)]