

Degree Project

Code: 101037
ECTS Credits: 6

Degree	Type	Year	Semester
2500254 Geology	OB	4	0

Contact

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Use of Languages

Principal working language: catalan (cat)
Some groups entirely in English: No
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: No

Prerequisites

In accordance with the academic regulations of the UAB (Student Residency Scheme), in order to enrol in the Final Year Project it is necessary to have passed at least two thirds of the total credits of the study plan. In the case of the Geology Degree, 160 ECTS must have been passed.

It is very important to have passed most of the subjects of 2nd and 3rd grade in Geology.

Objectives and Contextualisation

This subject has a transversal and global character, so it is better to enrol during the course in which the degree is expected to end. The work has to carry a student load of 150 hours (if it works for 5 months - from September in January - it is about 8 hours / week, if it works for 7 months - from November in June - it is about 5h / week).

The objective of the subject is to carry out an individual and short research work (6 ECTS), of an experimental or theoretical nature, predominantly autonomously, on a topic of Geology proposed by the teaching staff or by the students.

With this work the students, to obtain the title of graduates in Geology, must demonstrate that they have reached the necessary maturity and knowledge, and that they know how to transmit them.

The work must be presented in the form of written Report and oral presentation.

Competences

- Evaluate moral and ethical problems in research and acknowledge the need to follow professional codes of conduct.
- Learn and apply the knowledge acquired, and use it to solve problems.
- Obtain information from texts written in other languages.
- Recognise theories, paradigms, concepts and principles in the field of geology and use them in different areas of application, whether scientific or technical.
- Show an interest in quality and incorporate it into practice.
- Show initiative and adapt to problems and new situations.

- Suitably transmit information, verbally, graphically and in writing, using modern information and communication technologies.
- Synthesise and analyse information critically.
- Work independently.

Learning Outcomes

1. Apply theories and principles of geology to a particular research project.
2. Comply with ethical principles in one's own research project.
3. Learn and apply the knowledge acquired, and use it to solve problems.
4. Obtain information from texts written in other languages.
5. Show an interest in quality and incorporate it into practice.
6. Show initiative and adapt to problems and new situations.
7. Suitably transmit information, verbally, graphically and in writing, using modern information and communication technologies.
8. Synthesise and analyse information critically.
9. Work independently.

Content

Assignment of TFG topics:

The subject of end-of-degree work can arise from proposals from both teachers and students, before or during the month of September. The professors of the Department of Geology will be asked to present proposals of topics in which they are willing to act as tutors, expecting that from each area of Geology a minimum of 3 and a maximum of 10 topics will be proposed.

To formally propose a topic, whether students or teachers, you must fill out a specific sheet "Proposal of topics for TFG of Geology", which facilitates the coordinator of the subject, and send it signed to the same coordinator via Internet. In this sheet you must also specify in which call the work will be presented (February or June). There is no call for September. In the proposal of a subject it is important to put a provisional title, the field of Geology in which the work is framed, a summary of the work to be done and some of the expected results. When the student proposes the subject, he / she must agree with a teacher to tutor the work and communicate it to the coordinator of the subject by presenting the Proposal sheet signed by both, as at the latest during the month of October. In case the student does not find a tutor for the subject proposed, the coordinator will assign one of the topics proposed by the teachers.

The tutor of a TFG:

He or she is in charge of tracking a TFG since the subject is agreed with the student until it is presented orally. For the follow-up of a TFG, the tutor will be informed of the teaching load corresponding to the teaching plan. Each teacher cannot be a tutor of more than two jobs per course, if there are other teachers in the same field without tutoring jobs.

In order to ensure the student's follow-up throughout the process, the tutor must provide the assessment coordinator with the assessment sheets: according to the established schedule. Some monitoring and assessment sheets will be made available to the tutors to unify criteria and aspects to be taken into account.

The commissions that qualify the TFG:

The commissions will consist of 3 teachers of the Degree who will assess the quality of the work done, the oral presentation and the answer to the questions posed. The qualification will be done following the rubrics facilitated by the coordinator of the subject.

Methodology

The student will carry out a personal and original research work guided by a tutor. The work can be done individually or in pairs. The joint work must have the amplitude necessary to comply with the regulations of the subject.

When choosing the subject, the student must also decide whether to present the work in February or June, bearing in mind that it can only be presented once per call or course.

The coordinator of the subject will hold two joint meetings of 1 hour with the students. The first in September, to make a general explanation of the functioning of the subject, the calendar, etc. The second in February, to resolve doubts and remember the guidelines on written memory and oral presentation of the work.

Most of the student's work will be in the form of autonomous work for information search, conducting the research, writing the work and preparing the oral presentation.

The tutor and the student must agree a minimum of two meetings or tutorials throughout the course.

Upon completion of the research work, the student will write a written report and prepare an oral presentation of the work done to defend before a court.

The students of the double degree of CC.AA. + Geology will have to present a TFG for each of the two degrees, even if it deals with the same subject. In this case the work will have two tutors (one of each degree) and both the memory and the oral presentation of the TFG must comply with the provisions of this Guide.

Written memory:

The written memory must consist of the following parts, at least:

1-Index

2-Summary (and translation to the other two languages: Catalan / Spanish / English). That is, there must be three summaries.

3-Introduction (approach of the problem, objective(s) of the work).

4-Materials and methodology (material that has been arranged; methods used to solve the problem). It must be clearly specified what activities of the study have been carried out by the students and what not.

5-Results obtained (should be very well differentiated which are own data and which are from other studies or TFGs. In general, the results should not be interpreted in this section, only described).

6-Interpretation or discussion of the results (this section does not contain descriptions, only interpretations, assessments, comparisons, limitations, etc.).

7-Conclusions (must make explicit reference to the objectives).

8-References. Only bibliography and websites cited in the text (should be standardized and presented according to the usual criteria).

9-Annexes (if necessary).

The memory must be written in a maximum of 20 pages per student. If necessary, attachments may also be attached to the report (data tables, maps, glossary, etc.). The title, the author and the tutor of the work, date (month and year), "Department of Geology" and the official UAB logo must appear on the first page.

The non-original contents must be clearly referenced in the text. It can be written in Catalan, Spanish or English.

Oral presentation:

The presentation of the End of Degree Project constitutes the final oral examination of the subject, which will be held before a tribunal constituted by 3 professors in open session to all students and the general public. Those attending the event must take into account the relevance and formality of this test.

The oral presentation of the work can be done in Catalan, Spanish or English and will be accompanied by digital support. The work will be presented in a maximum time of 10 minutes (15 minutes, if the work is in pairs), after which the student must answer, for another 10 minutes (15 min., if the work is in pairs), the questions that the members of the court raise, which will be directed to find out if the student has reached the maturity and the necessary knowledge corresponding to the title of Degree in Geology.

To formally propose a topic to the Department of Geology, in both cases you will need to fill out a specific sheet "Proposal of topics for TFG of Geology", which is provided by the coordinator of the subject (available in Moodle), and send it signed to the same coordinator via the Internet. In this sheet you will also need to specify in which call the work will be presented (February or June). There is no September call for Geology TFGs or TFGs sets.

At the beginning of the course (September), the coordinator will put in the Virtual Campus of the subject of the TFG of Geology the detailed regulations by the students of the double degree who present a joint work.

Course calendar:

- For all students

July-September: Collection of topics proposed by teachers and by students. There must be between 3 and 10 topics in each field.

September 16: First classroom session of the subject coordinator with students. Presentation of the subject, general guidelines. Rules for drafting TFG (12 to 13h, classroom to be determined).

From 7 October, the list of topics proposed by teachers and students will be published.

- For students presenting the TFG in February:

October 16: Application deadline and assignment or agreement between professors students on the topics and the date of submission of the TFG.

October 21: Deadline of the first student-tutor meeting to start TFG.

November 27: Deadline for the student-tutor follow-up meeting of the job.5 of December: Intervention of the coordinator of the subject in case of negative follow-up by the tutor or negative process by the student.

January 23: Deadline for the final student-tutor meeting and for the delivery of the draft written report to the tutor.

January 30 - Deadline for the delivery of written reports of work to the Secretariat of the Geology Department (one paper copy by each member of the court). Delivery hours are the secretariat's opening hours. Delivery of the follow-up sheet and evaluation of the tutor teacher of the work. The student must also provide a PDF copy of the full job via Moodle.

February 7: Oral presentation of the investigative work to a court. The student must provide a PDF copy of the support presentation via Moodle.

- For students presenting the TFG in June:

October 31: Deadline for application and assignment or agreement between teachers and students on topics and the date of submission of the TFG.

November 18: Deadline of the first student-tutor meeting to start The TFG.

February 17: Second classroom session of the coordinator of the subject with the students to solve doubts and clarify the format of the memory and presentation (from 12 to 13h, classroom to be determined).

March 30: Intervention of the coordinator of the subject in case of negative follow-up by the tutor or negative process by the student.

June 8: Deadline for the final student-tutor meeting and for the delivery of the draft written memory to the tutor.

June 19: Deadline for the delivery of written reports of work to the Secretariat of the Geology Department (one paper copy by each member of the court). Delivery hours are the secretariat's opening hours. Delivery of the follow-up sheet and evaluation of the tutor teacher of the work. The student must also provide a PDF copy of the full job via Moodle.

July 2 and 3: Oral presentation of the research work to a court. The student must provide a PDF copy of the support presentation via Moodle.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Meetings with the tutor	2	0.08	7
Reuniones con el coordinador of the subject.	8	0.32	8, 3, 5, 2, 7, 9
Type: Supervised			
Development of research work.	5	0.2	8, 3, 2, 7
Preparation of the oral presentation.	120	4.8	8, 1, 3, 4, 9
Type: Autonomous			
Memory writing	15	0.6	8, 1, 3, 6, 5, 2, 4, 7, 9

Assessment

Both the student's progress in performing the TFG and the results obtained will be taken into account. The progress of the tutor will be evaluated through the follow-up report. The quality of the work will be evaluated in part by the tutor (valuation of the written report) and partly by the court (valuation of the written memory and oral presentation).

Based on the assessment of written reports and oral presentations, evaluation committees shall judge the content, methodology, degree of difficulty, quality of work carried out and the cross-cutting competences acquired, in addition to the presentation and defense carried out. The court shall decide on the final qualification, which shall consist of a work note and an oral defence note.

In order for the evaluation criteria to be uniform, both the tutor and the members of the court will fill out the prepared follow-up and evaluation sheets indicating the degree of achievement of each point. The court shall decide the final rating taking into account the follow-up and results assessment sheets.

The percentages of note of each part in the final rating will be: 10% of the tutor's follow-up report, 15% the assessment of the written memory by the tutor, 40% the average of the written memory assessment by the members of the court and 35% the average of assessment of the presentation and answering questions by the members of the court.

Based on the notes given by the tutors and evaluation commissions, the Coordinator of the TFG will calculate the final grade of the subject and make it public in the Virtual Campus the subject. In addition, he will be in charge of putting the Honors, if any, on the basis of the proposals of the court, and closing the minutes.

If after the public submission of any of the parties valued by the guardian or by the court obtains a deficient assessment, the final rating will be suspended, regardless of the assessments of the other parties.

In the event that the court considers that the Report has remediable deficiencies, a period of 15 days will be given for the student to correct the errors. The court will issue the final grade once the student's amendment has been evaluated.

The final qualification of Suspense does not allow to resubmit the work within the same call and the student must re-enroll of TFG the following course. The grade will be Not Presented if the student does not submit the written work to the tutor, or the court, within the allotted period.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Assessment of the oral presentation and the answers made by the evaluators	35%	0	0	8, 1, 3, 6, 5, 2, 4, 7, 9
Assessment of the written memory made by the evaluators	40%	0	0	8, 1, 3, 6, 5, 2, 4, 7, 9
Assessment of written memory made by the tutor	15%	0	0	8, 1, 3, 6, 5, 4, 7, 9
Follow-up report by the tutor	10%	0	0	8, 3, 6, 5, 2, 4, 7, 9

Bibliography

The tutor of the work will suggest a basic bibliography to the student according to the proposed topic.

The student should be able to expand this bibliography and independently carry out his or her own search.