

Degree	Type	Year
2504235 Science, Technology and Humanities	OB	4

## Contact

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## Teaching groups languages

You can view this information at the [end](#) of this document.

## Prerequisites

Students must have passed at least two thirds of the syllabus, i.e. 160 credits, and all the credits of the first year.

## Objectives and Contextualisation

1. Autonomously prepare, under the supervision of a tutor, an academic work in the field of the degree.
2. Gather and interpret information related to the object of study.
3. Develop solid, well-justified reasoning on the chosen object of study.
4. Deliver a written work that shows the ability to integrate the knowledge and skills acquired in the Degree, and make an oral presentation of it.

## Competences

- Act with ethical responsibility and respect for fundamental rights and duties, diversity and democratic values.
- Develop and communicate orally and in writing the objectives and results of research projects on science, technology and society, using techniques for managing scientific information.
- Develop and evaluate interdisciplinary projects that combine scientific, technological and humanistic knowledge and encourage citizens' involvement in matters related to science and technology in society.
- Display a capacity for organisation and planning and, at the same time, for adapting to new problems or situations.
- Identify the various philosophical, ethical and sociological conceptions of science and technology and recognise their evolution throughout history.
- Make critical use of digital tools and interpret specific documentary sources.
- Recognise the political, social and cultural dimension of science and technology development in the different historical periods.
- Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.
- Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.

- Students must develop the necessary learning skills to undertake further training with a high degree of autonomy.

## Learning Outcomes

1. Addressed analysis aspects specific the relationship between science society.
2. Analyse specific aspects of the philosophical and ethical dimension of science and technology.
3. Apply the general knowledge acquired throughout the degree and the specific knowledge related to the area of the project carried out.
4. Assess the reliability of sources, select important data and cross-check information.
5. Be able to self-evaluate.
6. Break down the general problem into tasks that are simpler and easier to accomplish.
7. Display skills in combining research and generation of knowledge with the solving of problems within the scope of your own competences, in an ethical, social spirit.
8. Engage in autonomous, self-directed learning after receiving general instructions.
9. Establish a work plan suited to the project's aims.
10. Express ideas using the conventions inherent to an academic paper.
11. Identify the criteria by which to assess the validity of the solutions proposed.
12. Integrate elements from different areas of knowledge within the degree to analyse a situation and suggest actions or solutions.
13. Orally defend the results of a project before a panel of experts.
14. Precisely define the hypotheses and the aims of a project in the area of study of sciences and humanities.
15. Present precise arguments in favour of the importance of the social, humanistic dimension in understanding the challenges of science.
16. Present your own findings in public before a panel of specialists, showing correct use of the languages of the degree.

## Content

The Bachelor's Degree Project (TFG) must allow for the global and synthetic assessment of the specific and transversal competences associated with the degree.

The TFG will be an academic project that may exceptionally involve the use of basic research tools.

The TFG may consist of the development of a communication or transfer project, or the analysis of an issue within the scope of the degree.

The TFG may be written in Catalan, Spanish or English.

Formal requirements for the essay

The essay will have a length of 20 to 30 pages (2100 characters/page) in DIN A4 format, not including the bibliography and complementary information (images, graphs, annexes, etc.). The model available in the Final Project application will be followed.

Formal requirements for the presentation

The presentation will have a total duration of 30 minutes. The student will have 15 minutes to present the work and 5 minutes to answer any questions that may be asked by the panel.

During the presentation, the student must explain, at least, the approach and objectives of the work, the methodology and the sources or materials used, the results obtained, and the conclusions reached.

In everything that is not specified in the Guide, the TFG will follow the [Protocol of the subject "Final Degree Project"](#) of the Faculty of Philosophy and Arts of the UAB.

## Activities and Methodology

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Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Initial introduction and orientation	1	0.04	3, 9
Type: Supervised			
Supervisions	6	0.24	4, 5, 6, 9, 11, 12, 14
Type: Autonomous			
Writing of work and preparation of presentation	142.5	5.7	1, 2, 3, 4, 7, 8, 10, 11, 12, 13, 15, 16

This subject is taken individually under the guidance of a tutor. The subject has a common coordination for the three centres, assigned to a member of the UAB teaching staff, and a person responsible for each of the other two centres.

The student is responsible for searching for, compiling and systematising documentation; the critical analysis of the material compiled; the articulation, systematisation and presentation of the results of the analysis; the completion of the planned tutorials; the planning, structuring and writing of the written work; the delivery of the planned drafts; and the revision of style, orthotypographical revision, and the correct use of citations and bibliographical references.

It is the tutor's responsibility to guide, supervise and correct the preparation of the TFG in its various stages, making appropriate suggestions regarding methodology, structure, bibliography and any other aspect subject to supervision and correction; and to assess the work.

The coordinator of the subject is responsible for drawing up the teaching guide, managing the virtual spaces or tools (SEA <<http://sia.uab.cat>> in the initial and final phases; virtual space TFE <<http://tfe.uab.cat>> in the monitoring process); and informing students and teaching staff of the monitoring tasks they have to carry out.

The assignment of tutor and subject may be done in two ways:

- 1) Proposal submitted by the student. The student may propose a topic for their dissertation in agreement with a lecturer from the degree course who is willing to accept the idea. In this case, the tutor will enter it in Sigma as a "Student proposal" and it will be assigned to the student.
- 2) Proposal submitted by the tutor. Potential tutors may propose topics through Sigma as "Teacher's proposal". These proposals will be published in Sigma so that students can pre-register for those that are of interest to them. Each student will have to make aprioritised selection of proposals. The assignment will be automatic according to this selection.

When there is more than one candidate for a proposal, the system will use the average mark of the student's transcript as an assignment criterion. In exceptional cases (error in the assignment, change of registration, impossibility of doing the work remotely, etc.) and duly motivated, the student may waive the TFG that has been assigned to him/her; the acceptance or not of the waiver will correspond to the coordinator of the subject, who will have to consider the reasons given by the student to be justified or not.

Students who formally renounce the TFG proposal or who have not pre-registered will enter, according to the timetable, into a second phase of assignments that will be carried out in accordance with the criteria considered appropriate by the subject coordinator, considering the interests of the student and the profile of the tutors available. It is understood that students who do not submit the waiver document accept the TFG proposal assigned to them.

All proposals must include a title, an abstract of 5 to 10 lines, and 5 keywords.

#### Calendar

Calendar adapted to the first year in which the subject will be taught. The dates will be specified through the application Final Project.

September-October: publication of the list of possible topics and tutors and preparation of proposals by students.

November-December: assignment of topics and tutors.

January-May: preparation of the work under the supervision of the tutor. Each tutor will establish a monitoring calendar and will provide evidence of the tutorials in the TFE tool.

June-July: delivery and presentation of the work.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

## Assessment

### Continous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Assessment of essay by a two-member panel	30%	0	0	1, 2, 3, 4, 7, 10, 11, 12, 15
Assessment of essay by tutor	40%	0	0	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15
Assessment of presentation by a two-member panel	30%	0.5	0.02	5, 10, 12, 13, 15, 16

The Final Degree Project will be assessed as follows:

40% assessment of the essay by the tutor;

30% assessment of the essay by the oral presentation panel;

30% assessment of the oral presentation by a panel of two members.

The evaluation of the written essay will weigh the following aspects:

70% content: clarity, specificity and academic interest of the objectives, the introduction, the development of the argument, the conclusions and the bibliography;

30% form: summary, table of contents and page numbering; structure; spelling and grammar; citations and references; bibliography.

The evaluation of the oral presentation will weigh the following aspects:

70% content: clarity and specificity of the presentation; correspondence with the contents of the work;

adequacy of the answers to the questions, if applicable;

30% form: effective and adequate use of expository resources.

The TFG will be presented at the university where the student has taken the most optional subjects, or at the university of pre-enrolment in the event that the student completes the TFG during an exchange stay. There may be a single examining board for UC3M and UAM.

In the event of a student committing any irregularity that may lead to a significant variation in the grade awarded to an assessment activity, the student will be given a zero for this activity, regardless of any disciplinary process that may take place. In the event of several irregularities in assessment activities of the same subject, the student will be given a zero as the final grade for this subject.

## Bibliography

The UAB Library Service offers numerous resources for the Bachelor's Degree Final Project:  
[How to do a Bachelor's Degree Final Project?](#)

The specific bibliography will be prepared by the student with the supervision of the tutor.

### **Software**

No specific software required.

### **Language list**

Information on the teaching languages can be checked on the CONTENTS section of the guide.

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