

Bachelor's Degree Final Project

Code: 103166

ECTS Credits: 12

2025/2026

Degree	Type	Year
Applied Statistics	TFE	4

Contact

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Teaching groups languages

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

Prerequisites

The rules of permanence establish a minimum of 160 ECTS of the degree passed to be able to enroll in the Final Project.

Objectives and Contextualisation

The Bachelor's Thesis (TFG) is a 12-credit (300-hour) course taken in the fourth year. It is the only mandatory course of the year, and all students are required to complete an academically oriented project. The learning activities of the TFG include the development of a written report and the preparation of its public defense. It is not required for the TFG to contain original results. The work will include a literature review and an experimental component in the broadest sense (calculations, fieldwork, data collection, market research, or other activities). The main objective of the Bachelor's Thesis is for students to demonstrate that they have achieved sufficient maturity in all the competencies of the degree program.

Learning Outcomes

1. CM21 (Competence) Use computer software for numerical calculation, symbolic calculation, graphic visualisation, optimisation and statistical analysis necessary to apply, complement or exemplify the statistical analyses considered in the Bachelor's Degree final Project (TFG).
2. CM22 (Competence) Plan a professional or academic work in fields related to statistics.
3. KM20 (Knowledge) Identify mathematical tools and statistical models or techniques suitable for use when writing the Bachelor's Degree Final Project (TFG).
4. SM24 (Skill) Select suitable sources and data acquisition and management techniques to carry out the objectives set out in the Bachelor's Degree Final Project (TFG).
5. SM25 (Skill) Draw relevant conclusions to interpret the results of the TFG in the context of the objectives set out in same.
6. SM26 (Skill) Actively demonstrate a high level of concern about the quality of their arguments when making the conclusions of their work public.
7. SM27 (Skill) Effectively use a bibliography and electronic resources to obtain information.
8. SM28 (Skill) Communicate their results orally and in writing to an expert audience and an audience related to the area in which the TFG is being developed.

Content

Bachelor's Theses (TFGs) may have a more theoretical focus (on a topic related to statistics that is not covered in any of the degree courses) or a more practical focus (an in-depth study of a specific problem and/or dataset). In the first case, the work must include examples of practical application of the results studied. In the second case, it must include an adequate theoretical foundation for the results used.

The student and the supervisor will define the content of the TFG at the beginning of the course. The project can be chosen from those proposed by the degree teaching staff or can be proposed by the student, as long as it aligns with a line of interest offered by faculty members from the Departments of Mathematics or Sociology. In both cases, the project must be approved by the degree coordinator.

The length of the TFG may vary, but it is recommended to be between fifteen and thirty pages. The thesis may be written in Catalan, Spanish, or English. The first page must include the title, the author and the supervisor, and the place and dates in which the project was carried out. This should be followed by an abstract written in the same language as the main text, along with its English version. Non-original content must be clearly referenced in the bibliography, which should appear at the end of the document.

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Bibliographic inquiry	15	0.6	CM22, CM22
Type: Autonomous			
autonomous learning	59	2.36	CM22, KM20, SM24, SM27, CM22
work completion	225	9	CM21, SM25, SM26, SM28, CM21

Each student produces three materials referred to as: Project, Thesis, and Presentation. All of these materials must be submitted on the Virtual Campus with the supervisor's approval, within the deadlines that will be announced in due course.

Project

When the student reaches an agreement with a supervisor-regardless of how the agreement was initiated-they must write a consensual Project plan, approved by the supervisor, which includes (in total, one or two pages):

1. Title of the Thesis (in sentence case, not all caps, maximum 80 characters).
2. Names of the student and the supervisor.
3. Objectives and outline of the thesis, with references.

This document (in PDF format) must be submitted to the Virtual Campus according to the official calendar. Failure to submit the Project on time will automatically result in a change of examination session; if the student is registered for the February session, they will be automatically moved to the September session.

Alternatively, a student may request a change to a later session in advance, but only once. If registered for the February session, the request must be made no later than December 19, 2025. If changing from the June to the September session, the request must be made no later than May 22, 2026.

Finally, students registered for the September session who do not submit the Project on time will receive a grade of "not presented".

Thesis

The Thesis is the final document (also referred to as the report) that the student submits after completing the entire process. The cover page must include: the Title, Author, Supervisor, and the Date and Place where the work was carried out. This is followed by an Abstract written in the same language as the main text, along with its English version.

The Introduction/Overview must explain the objectives and structure of the thesis, the methodology and sources or materials used, the background state of the topic, the results obtained, and the conclusions drawn.

All non-original content must be clearly cited, with full references included in the bibliography at the end of the document.

Presentation

The Presentation consists of the material the student will prepare to give a 15-minute oral presentation about their Thesis. It must be submitted on the Virtual Campus a few days after the Thesis submission.

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
Contents	70%	0.5	0.02	CM21, CM22, KM20, SM24, SM25, SM27, SM28
Debate	10%	0.25	0.01	SM26, SM28
Presentation	20%	0.25	0.01	SM26, SM28

The evaluation of the Bachelor's Thesis (TFG) takes place in two phases. First, the supervisor evaluates the Thesis with a maximum score of 4 points. Secondly, the student gives a public Presentation before a panel composed of two faculty members, who assess both the Thesis and the Presentation. The panel awards a maximum of 3 points for the Thesis and a maximum of 3 points for the Presentation. The final grade for the TFG is the sum of these two scores plus the supervisor's score.

Bibliography

Paul R. Halmos. Com cal escriure en matemàtiques. Butlletí de la Societat Catalana de Matemàtiques. Vol. 21, núm. 1, 2006. Pàg. 53-79.
<https://raco.cat/index.php/ButlletiSCM/article/view/221239>

Software

The software required for the TFG.

Groups and Languages

Please note that this information is provisional until 30 November 2025. You can check it through this [link](#). To consult the language you will need to enter the CODE of the subject.