

Degree programme	Type	Course
Food Science and Technology	OB	4

Contact lecturer

Name : Bibiana Juan Godoy

Email : bibiana.juan@uab.cat

Prerequisites

To be able to take this subject students must have passed 168 ECTS of the syllabus.

It is a requirement to have passed the 1st academic course and it is recommended to have passed the 2nd course of the degree.

Objectives

The fundamental objective is to acquire the transversal competences of the degree,

Learning outcomes

1. Apply the scientific method to resolving problems.
2. Search for, manage and interpret information from different sources.
3. Use IT resources for communication, the search for information within the field of study, data processing and calculations.
4. Communicate effectively with both professional and non-professional audiences, orally and in writing, in the first language and/or in English.
5. Develop individual learning strategies and planning and organisation skills.
6. Stay abreast of new knowledge, adapt to new situations and develop creativity
7. Take the initiative and display an entrepreneurial spirit.
8. Argue in favour of the conclusions presented.
9. Design and justify future experiments.
10. Organise experimental work according to scientific and pragmatic criteria.
11. Specify how the work done fits into the project as a whole.

Contents

The Bachelor's Thesis (TFG) is based on topics related to any of the subjects or thematic areas within the field of Food Science and Technology. Its content is determined by the list of topics offered, which is renewed annually.

The thesis must be carried out independently and individually by the student under the supervision of an academic tutor.

Four types of Bachelor's Theses are contemplated:

- a) Literature Review Thesis
- b) Experimental Research Thesis
- c) Science Communication Thesis
- d) Service-Learning Thesis (SL)

Minimum requirements for each type of Bachelor's Thesis

a) Literature Review Thesis

A critical and well-argued review of the current state of knowledge on a specific topic related to one of the degree's areas of expertise.

The thesis must include the following sections:

- Title and authorship
- Objectives and presentation of the topic, including the most relevant findings
- Conclusions
- References

b) Experimental Research Thesis

A research project proposal on a topic related to one of the degree's areas of expertise.

The thesis must include the following sections:

- Title and authorship
- Objectives
- Introduction
- Materials and Methods
- Results and Discussion
- Conclusions
- References

c) Science Communication Thesis

The dissemination of a scientific topic of social interest aimed at the general public or students from non-university educational levels. The work should employ clear and accessible language while maintaining an appropriate academic standard.

The thesis must include the following sections:

- Title and authorship
- Objectives and presentation of the topic
- Social, educational, or outreach relevance
- References

This category also includes Wikipedia editing projects, consisting of the development of a Wikipedia article on a topic related to one of the degree's areas of expertise. Such projects must use formal language and comply with Wikipedia's style guidelines, including neutrality of content and proper citation of information sources.

They must include the following sections:

- Title and authorship
- Context and justification of the topic within Wikipedia
- Description of the contribution
- Presentation of the topic and references

d) Service-Learning Thesis (SL)

Participation in a project aimed at addressing a real social need related to one of the degree's areas of expertise. This modality includes carrying out community service activities in collaboration with a non-profit organization.

The thesis must include the following sections:

- Title and authorship
- Social need (description of the organization, identification of the need, and objectives of the service)
- Theoretical background of the topic
- Description of the service provided
- Personal reflection
- References

Selection and Assignment of Thesis Topics

The list of available topics is prepared from proposals submitted by members of the teaching staff of the degree programme. Once approved by the Faculty Bachelor's Thesis Committee (CCTFG), the Faculty publishes the list on its website at the end of July, together with information regarding the application process.

The Bachelor's Thesis is carried out independently and individually by the student under the supervision of an academic tutor. The thesis may address any subject or thematic area within the field of Food Science and Technology. Its content depends on the annually renewed list of available topics.

The first topic allocation period takes place during September, and the second during February. Applications must be submitted through an online form available on the website sia.uab.cat, where each enrolled student may indicate up to five preferred topics.

The course coordinator assigns topics and tutors according to each student's order of preference. In cases of conflict, assignment is based on academic record and the number of ECTS credits successfully completed.

Once the allocation process has been completed, the list of assignments is published on the Faculty website at the end of September and during February for students enrolled in the second allocation period.

Students may also propose a topic of personal interest to a specific lecturer. If the lecturer agrees to supervise the project, the proposal must be submitted to the course coordinator, who will forward it to the Faculty Bachelor's Thesis Committee. If the proposal is approved, the topic will be assigned directly to the student who submitted it.

Learning activities and methodology

Title	Hours	ECTS	Learning outcomes
Development of the project	52	2.08	1, 2, 3, 5, 6, 8, 9, 10, 11
Tutorials	7.5	0.3	1, 7, 8, 9, 10, 11
Search for information and/or practical activity	50	2	2, 3, 5, 7, 8, 9, 10, 11
Preliminary information session	1	0.04	
Moodle course	2	0.08	2, 3
Writing of work	37	1.48	2, 3, 4, 8, 9, 10, 11
Presentation and lecture of work	0.5	0.02	4, 8, 9, 11

The methodology of the Bachelor's Thesis (TFG) consists of supervision sessions, independent student work, and assessment activities.

An introductory information session will be held for all students, during which the course coordinator will explain the organization and requirements of the subject. During the first semester, a Moodle course on information sources, copyright, and Mendeley will also be offered.

Supervision sessions consist of meetings with the academic tutor, during which students will present their progress so that the work can be monitored, assessed, and, where necessary, corrected. These meetings also provide an opportunity for students to raise questions and discuss any difficulties encountered. Three compulsory face-to-face supervision meetings will be held throughout the academic year. It should be noted that the tutor will assess the student's degree of autonomy throughout the process.

At the beginning of the project, an initial meeting (not subject to assessment) must be held with the tutor in order to define the focus of the thesis, objectives, methodology, sources of information, and other relevant aspects. During this meeting, the schedule of subsequent meetings and the tasks to be completed before the first assessed supervision session will also be established.

Materials to be Submitted

Regardless of the type of thesis selected, students must submit the following materials:

- **Written Report:** written report must include all required sections, including references, tables, and figures. A printed copy is not required. The report must not exceed 15 pages, including tables, figures, and references, and must contain a minimum of 4,000 words. The report will be assessed by both the tutor and the Bachelor's Thesis Assessment Committee (CATFG). The course coordinator may request a printed copy of the thesis if required by members of the CATFG.
- **Portfolio:** The portfolio must provide an organized record of the development of the thesis, including

consulted materials, meetings with the tutor, drafts, and other relevant documentation. Its purpose is to enable the tutor to monitor the student's progress and support the assessment process throughout the supervision sessions.

- Poster in English: The poster constitutes the official presentation format of the Bachelor's Thesis. Its dimensions will be specified sufficiently in advance. The poster does not need to be printed and will be displayed electronically in PowerPoint format. It will be assessed by the CATFG.

Use of Artificial Intelligence Tools

The use of Artificial Intelligence (AI) technologies is permitted as part of the development of the Bachelor's Thesis, provided that the final work demonstrates a substantial contribution from the student in terms of analysis, interpretation, and personal reflection.

Students must clearly identify which parts of the work have been generated using AI technologies, specify the tools used, and include a critical reflection on how these tools influenced both the development process and the final outcome of the project.

Failure to disclose the use of AI tools will be considered a breach of academic integrity and may result in a reduction of the grade awarded for the activity or, in serious cases, more severe academic sanctions.

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

Continuous assessment activities

Title	Weight	Hours	ECTS	Learning outcomes
Poster, oral presentation and lecture	50%	0	0	1, 4, 8, 9, 10, 11
Overcoming the Moodle Course	0.05%	0	0	2, 3
Tutorials	49.95%	0	0	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

The evaluation will be carried out by the tutor (50% of the grade) who will assess the report and portfolio, and the evaluation committee (the other 50%), which will assess the written report, the poster, the oral presentation and the defense.

The tutor of the final degree work will evaluate numerically the indicators specified in the rubrics sheet (memory and portfolio), which will be filled out after each meeting.

The day of the work presentation, the poster will be projected on the screen. The student should make a brief presentation of the topic (maximum 5 minutes) and answer the questions asked by the members of the Evaluation Commission. Each member of the Commission will evaluate numerically each of the indicators contained in the sheet of rubrics corresponding to the presentation (memory, poster, oral presentation and lecture).

There will be the possibility of two calls for presentation. The student, in agreement with the tutor, will choose: February and June.

This subject does not provide for a single assessment system.

Student's assessment may experience some modifications depending on the restrictions to face-to-face activities enforced by health authorities.

Bibliography

https://ddd.uab.cat/pub/recdoc/2018/196287/guiacomunicacio_professorat_a2018m12v2.pdf

<https://ddd.uab.cat/record/196288>

[https://e-aules.uab.cat/2020-21/pluginfile.php/841636/mod_resource/content/1/MANUAL_TFG_Viquipedia_a2020](https://e-aules.uab.cat/2020-21/pluginfile.php/841636/mod_resource/content/1/MANUAL_TFG_Viquipedia_a2020.pdf)

Software

In some cases Wikipedia edition

Course groups and languages

The information provided is provisional until November 30. After this date, you will be able to consult the language of each group through this [link](#). To access the information, you will need to enter the course CODE

Type of teaching	Group	Language	Semester	Shift
(TFG) Treball de fi de grau	1	Catalan/Spanish	annual	morning-mixed