

**Professional Perspectives of Microbiology**

Code: 101012  
ECTS Credits: 6

| Degree               | Type | Year | Semester |
|----------------------|------|------|----------|
| 2500502 Microbiology | OT   | 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

## Teachers

Esther Julián Gómez

## Prerequisites

Although there is no official prerequisite, students are advised to review the concepts that refer to the microbial world, previously studied in the subjects of the 2nd and 3rd course of the Microbiology Degree.

## Objectives and Contextualisation

It is an optional subject of the Microbiology degree that introduces students to the different professional fields in which a microbiologist carries out his/her work. A general overview of the fields of work of microbiologists will be given, both in the business and research fields.

## Skills

- Obtain, select and manage information.
- Use bibliography or internet tools, specific to microbiology or other related disciplines, both in English and in the first language.

## Learning outcomes

1. Obtain, select and manage information.
2. Use bibliography or internet tools, specific to microbiology or other related disciplines, both in English and in the first language.

## Content

The subject will provide knowledge on the following topics:

- Incorporation of the microbiologist in the professional field. The role of the microbiologist in the agrifood sector, environmental, industrial, education, human health, etc ..
- Research in basic and applied microbiology. Research developed in our environment related to different areas of microbiology.

## Methodology

### Seminars:

- Sessions given by specialists in different fields of basic and applied Microbiology.

### Visits:

- Visits to companies, centers and facilities where they work on issues related to Microbiology are scheduled.

## Activities

| Title                   | Hours | ECTS | Learning outcomes |
|-------------------------|-------|------|-------------------|
| <b>Type: Directed</b>   |       |      |                   |
| Seminars                | 30    | 1.2  | 1, 2              |
| Visits                  | 15    | 0.6  | 1                 |
| <b>Type: Supervised</b> |       |      |                   |
| Tutorials               | 5     | 0.2  | 1                 |
| <b>Type: Autonomous</b> |       |      |                   |
| Individual reading      | 40    | 1.6  | 1, 2              |
| Individual study        | 45    | 1.8  | 1, 2              |

## Evaluation

The evaluation of the subject will be individual.

### VISITS:

Compulsory attendance to two of the programmed visits.

### SEMINARS:

- Written test: multiple-choice tests corresponding to the content of each one of the different activities carried out (corresponding to 60% of the mark). Students who have not pass an exam should not retrieve it. An average of all marks will be made at the end of the course. If a student can not do an exam, he can retake it at the end of the course. **To be eligible for the retake process, the student should have been previously evaluated in a set of activities equaling at least two thirds of the final score of the course or module.**

- Each student will have assigned a seminar to prepare a maximum of 10 multiple-choice questions that reflect the most relevant concepts of the subject discussed (15% of the mark)

- Mandatory attendance to more than 85% of the seminars.

Participation in the different activities will have an evaluation of up to 25% of the overall mark. The student who exceeds the established lack of assistance in this guide will suspend the subject.

Students who wish to increase their mark must make a comprehensive exam that will include questions about all the activities carried out in the subject, renouncing the mark they already get.

A student will obtain the rate of "Not Evaluable" if he/she attend to less than 67% of the evaluation activities.

## Evaluation activities

| Title                                                 | Weighting | Hours | ECTS | Learning outcomes |
|-------------------------------------------------------|-----------|-------|------|-------------------|
| Participation in the different activities             | Up to 25% | 0     | 0    | 1                 |
| Preparation of test questions                         | 15        | 6     | 0.24 | 1, 2              |
| Theory assessment 1st semester (multiple-choice test) | 20        | 3     | 0.12 | 2                 |
| Theory assessment 2nd semester (multiple-choice test) | 40        | 6     | 0.24 | 2                 |

## Bibliography

The bibliography will be available on the UAB intranet and will be adapted every year to the seminar scheduled