

Professional Perspectives of Microbiology

Code: 101012
ECTS Credits: 6

Degree	Type	Year	Semester
2500502 Microbiology	OT	4	0

The proposed teaching and assessment methodology that appear in the guide may be subject to changes as a result of the restrictions to face-to-face class attendance imposed by the health authorities.

Contact

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Use of Languages

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

Other comments on languages

There may be seminars in Spanish or English

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.

Competences

- 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.

*Unless the requirements enforced by the health authorities demand a prioritization or reduction of these contents.

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.

*The proposed teaching methodology may experience some modifications depending on the restrictions to face-to-face activities enforced by health authorities.

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.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Seminars	30	1.2	1, 2
Visits	15	0.6	1
Type: Supervised			
Tutorials	5	0.2	1
Type: Autonomous			
Individual reading	40	1.6	1, 2
Individual study	45	1.8	1, 2
Preparation of test questions	6	0.24	1, 2

Assessment

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) one exam per semester. 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 one or more seminars / visits 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.

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

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Participation in the different activities	Up to 25%	0	0	1
Submission of test questions	15	0	0	1, 2
Theory assessment (multiple-choice test)	60	9	0.36	2

Bibliography

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

In this link, it can be found an infographic prepared by the Library Service to facilitate the location of electronic books: <https://ddd.uab.cat/record/22492>

The teachers will give adequate advice to the students in this regard.

Software

No specific software is needed in this subject.