UAB
Universitat Autònoma de Barcelona

Work Placement

Code: 107538
ECTS Credits: 12

2024/2025

Degree	Type	Year
2500253 Biotechnology	OT	4

Contact

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Teaching groups languages

You can view this information at the end of this document.

Prerequisites

• 1st year passed (at the end of February)
•120 approved credits (at the end of February)
• Register for the subject before starting
• Social Security Number: necessary to register for SS
• Electronic signature (idCat, DNIe, FNMT...): for signing the agreement

Objectives and Contextualisation

It is an optional subject that will be taken preferably in the fourth academic year.

The objectives of the subject are:
. Promoting the integration of the student in the world of the company or in a research group, in a public or private entity.
. Knowing and applying biotechnological techniques that are used in some industrial fields or in specific research projects.
. Preparing autonomously a report on the practical stay.

Learning Outcomes

1. CM40 (Competence) Adapt the techniques of different experimental fields of biotechnology in the professional industrial environment.
2. CM40 (Competence) Adapt the techniques of various experimental areas of biotechnology in the professional industrial environment.
3. CM40 (Competence) Adapt the techniques of different experimental areas of Biotechnology in the professional industrial environment.
4. CM40 (Competence) Adapt the techniques of different experimental areas of biotechnology in the professional industrial environment.
5. CM40 (Competence) Adapt the techniques of different experimental fields of biotechnology in the professional industrial environment.

6. CM40 (Competence) Adapt the techniques of different experimental areas of biotechnology to the professional industrial environment.
7. CM41 (Competence) Work in a team and collaboratively in a professional environment related to biotechnology.
8. KM42 (Knowledge) Remember the techniques from different experimental fields of biotechnology.
9. KM42 (Knowledge) Recall the techniques of different experimental areas of biotechnology.
10. KM43 (Knowledge) Explain the bases of the design and operation of bioreactors, as well as the relevant parameters in transport phenomena and the balances of matter and energy in bioindustrial processes.
11. KM43 (Knowledge) Explain the bases of the design and operation of bioreactors, as well as the relevant parameters in transport phenomena and the balances of matter and energy in bioindustrial processes.
12. KM43 (Knowledge) Explain the bases of the design and operation of bioreactors, as well as the relevant parameters in transport phenomena and the balances of matter and energy in bioindustrial processes.
13. SM40 (Skill) Analyse strategies for the production and improvement of products from different production sectors using biotechnological methods.
14. SM40 (Skill) Analyse strategies for the production and improvement of products from different production sectors using biotechnological methods.
15. SM40 (Skill) Analyse the production and improvement strategies of products from different production sectors using biotechnological methods.
16. SM41 (Skill) Develop in a professional environment the theoretical knowledge acquired in biotechnology.
17. SM41 (Skill) Develop in a professional environment the theoretical knowledge acquired in biotechnology.
18. SM41 (Skill) Develop in a professional environment the theoretical knowledge acquired in Biotechnology.
19. SM41 (Skill) Develop in a professional environment the theoretical knowledge acquired in Biotechnology.
20. SM41 (Skill) Develop the theoretical knowledge acquired in biotechnology in a professional environment.
21. SM41 (Skill) Develop the theoretical knowledge acquired in biotechnology in a professional environment.

Content

The content of this subject is variable as it will depend on the specific entity in which the stay is carried out. Despite this, in all cases, the content will always keep a close relationship between Biotechnology and the activity that is proposed to be developed, either in a company or in a research group.

There are the following types of places:
Places offered by the School of Biosciences: UAB internal places
Places proposed by the student: External places or, in some cases, already committed to UAB professors

Students in places with UAB professors will have him/her as their academic tutor.
Students who do the internship outside the UAB will be tutored by the subject coordinator.

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Practical stay	280	11.2	CM40, CM40, CM41, KM42, SM41
Type: Autonomous			

Final report drawn up by the student	20	0.8	KM43, SM40

The calendar of the process will be made public each academic year on the website of the School of Biosciences. The student will find all the information related to this subject, how to formalize the request for a place and all the procedures derived from the allocation of a place on the website of the School of Biosciences entitled "Academic Internships in Institutions".
Each academic year, the School will organize a general information session aimed at third-year students of the Sciences School's degrees. The head of the subject will schedule a specific information session each academic year.

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
Final report drawn up by the student	40%	0	0	KM43, SM40
Practical stay	60%	0	0	CM40, CM41, KM42, SM41

The assessment will consist of the following parts:
Evaluation of the final report by the student (40% weight). The use of English in the memory may add up to 0.5 points in addition to the qualification of this section.
Final assesment issued by the UAB Tutor / External Tutor (weight 60%).
The final report will be delivered in electronic format to the person in charge of the subject, no later than 15 days after the end of the stay. In exceptional cases, that must be authorized by the person in charge of the subject, this period can be extended up to a maximum of 30 days.
In order to be evaluated, the teacher responsible for the subject must receive the tutor's evaluation report and the report prepared by the student. In the case of not meeting any of these requirements, the mark of the subject will be "Not evaluable".

On the web page of the School of Sciences, in the link "Academic Practices in Institutions", the instructions for preparing the final report can be found.

This subject does not provide for the single assessment system.

Bibliography

The Bibliography will be variable and will refer to the specific task that each student will develop during their practical stay and what they need to prepare the final report.

Software

The software to be used will be different for each student and will refer to the specific task each student will develop during their practical stay and to what will be required to prepare the final report.

Language list

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