

Degree programme	Type	Course
Biochemistry, Molecular Biology and Biomedicine	PR	1

Contact lecturer

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Teaching staff

Jaume Farrés Vicén

Group languages

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

Prerequisites

1) Degree, preferably in Life or Health Sciences (such as Biomedicine, Biochemistry, Genetics, Biology, Medicine, Pharmacy, etc).

2) Good level of Catalan or Spanish, and English

Objectives

That students know and learn how to develop in a professional environment, having a proactive and entrepreneurial attitude in the field of Biochemistry, Molecular Biology and Biomedicine

Learning outcomes

- CA26 (Support multidisciplinary R+D+i activities and projects in a professional public or private setting in the fields of biochemistry, molecular biology and biomedicine.) Support multidisciplinary R+D+i activities and projects in a professional public or private setting in the fields of biochemistry, molecular biology and biomedicine.
- CA27 (Demonstrate initiative, proactivity and the ability to adapt to diverse situations in a professional laboratory setting in the fields of biochemistry, molecular biology and biomedicine.) Demonstrate initiative, proactivity and the ability to adapt to diverse situations in a professional laboratory setting in the fields of biochemistry, molecular biology and biomedicine.
- CA28 (Effectively convey to a specialist audience the results of a professional activity and/or project in the fields of structural biochemistry and molecular biology and, more generally, in the field of

Biomedicine.) Effectively convey to a specialist audience the results of a professional activity and/or project in the fields of structural biochemistry and molecular biology and, more generally, in the field of Biomedicine.

- KA37 (Identify specific societal needs in the fields of biochemistry and molecular biology applied to biomedicine.) Identify specific societal needs in the fields of biochemistry and molecular biology applied to biomedicine.
- KA38 (Understand the tools and methods that companies and public institutions use to comprehensively address problems in the fields of biochemistry and molecular biology applied to biomedicine.) Understand the tools and methods that companies and public institutions use to comprehensively address problems in the fields of biochemistry and molecular biology applied to biomedicine.
- SA36 (Apply scientific, technological and social knowledge to the study of problems in the fields of biochemistry, molecular biology and biomedicine.) Apply scientific, technological and social knowledge to the study of problems in the fields of biochemistry, molecular biology and biomedicine.
- SA37 (Extract relevant information from reports, projects and other professional documents related to biochemistry and molecular biology applied to biomedicine.) Extract relevant information from reports, projects and other professional documents related to biochemistry and molecular biology applied to biomedicine.
- SA38 (Communicate information related to biochemistry, molecular biology and biomedicine in a clear, explanatory and concise manner in scientific and professional fields.) Communicate information related to biochemistry, molecular biology and biomedicine in a clear, explanatory and concise manner in scientific and professional fields.

Contents

Stay in a public research or healthcare center, or in a private company, performing tasks specific of the field of Biochemistry, Molecular Biology and Biomedicine, with the aim of increasing the professional training of students.

Learning activities and methodology

Title	Hours	ECTS	Learning outcomes
Internship	224	8.96	CA26, CA27, CA28, KA37, KA38, SA36, SA37, SA38

Carrying out practical activities according to the training project. Reading scientific articles. Tutorials. Presentation and discussion of results.

Preparation and oral presentation of the practical report.

A total of 200 hours of supervised practicals and 24 autonomous hours.

*In this subject, the use of artificial intelligence technologies is allowed as an integral part of the work, provided that the final result reflects a significant contribution

by the student in the analysis and a personal reflection. The student must clearly identify which parts have been generated with this technology, specify the tools used

and include a critical reflection on how have influenced the process and final result of the activity. The lack of transparency in the use of artificial intelligence

will be considered as poor academic honesty and may lead to a penalty in the grade given to the activity, or even greater sanctions in serious cases.

* Note: 15 minutes of a class will be reserved, within the calendar established by the center/degree, for students to complete the surveys to evaluate the performance of the teaching staff and, also, to evaluate the whole module

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
Oral presentation	35%	1	0.04	CA28, KA38, SA36, SA37, SA38
Report by the person responsible for the stay or the academic tutor	30%	0	0	CA26, CA27, CA28, KA37, KA38, SA36, SA37, SA38
Practice report	35%	0	0	CA26, CA27, CA28, KA37, KA38, SA36, SA37, SA38

The internship report and oral presentation will have the characteristics specified in the Master's Thesis (TFM) Teaching Guide (see the \"contents\" section),

since this report and its defense are used to evaluate both modules.

To allow student evaluation, the module Coordinator must receive a confidential report from the person responsible for the stay

and the written TFM work report prepared by the student, within the period previously established by Coordination.

In addition, students must make an oral presentation of this research work.

In case of not meeting any of these requirements, the module qualification will be considered \"NOT EVALUABLE\".

This module does not allow a single evaluation system.

Important:

*The commission of any irregularity in an assessment act (academic fraud, plagiarism or improper use of AI, unless this use is expressly authorized in the teaching guide), which may lead to a significant variation in the grade, means that this act will be graded with a 0. In the event that the teaching guide provides that in order to pass the subject it is an essential requirement to have obtained a minimum grade in this assessment act or that several irregularities occur in the assessment acts of the same subject, the final grade for this subject is 0. Apart from this, a disciplinary process may be initiated against the student who incurs any of these irregularities.

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by the student in the analysis and a personal reflection. The student must clearly identify which parts have been generated with this technology, specify the tools used

and include a critical reflection on how have influenced the process and final result of the activity. The lack of transparency in the use of artificial intelligence

will be considered as a poor academic honesty and may lead to a penalty in the grade given to the activity, or greater sanctions in serious cases.

Bibliography

The reference bibliography will include that of each modul of the Master, plus that specific of the internship topic.

Software

The software used will include that of each Master modul, plus the specific one for the internship.

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
(PEXTm) Pràctiques externes i pràcticum (màster)	99	Unknown	Undefined	morning-mixed
(PEXTinternm) Pràctiques externes i pràcticum amb supervisió interna (màster)	99	Unknown	Undefined	morning-mixed