

Work Placement

Code: 45556
ECTS Credits: 18

2025/2026

Degree	Type	Year
Biotecnología Avanzada	PR	1

Contact

Name: Francesc Gòdia Casablancas
Email: francesc.godia@uab.cat

Teaching groups languages

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

Prerequisites

For an optimal follow-up of this module it is necessary to have a basic training on Biotechnology and basic abilities in working in a laboratory.

Objectives and Contextualisation

The objective of the module of professional and research practicals is that the student integrates in a research and/or professional environment where she/he can apply her/his specific competences and develop and/or acquire transversal ones in research groups of the UAB or other institutions, and/or in different companies from the biotechnology sector.

Out of the 25 vacancies of the Master, there will be a maximum of 10 positions for master students who wish to perform their professional practicals in a company. Selection of candidates will be done based on their CV. This module is managed by the responsible of the topic

Both companies and research laboratories will have a biotechnological profile and the topic of the practicals will be related to the Master's themes.

Learning Outcomes

1. CA15 (Competence) Integrate knowledge to formulate judgments based on information that, despite being incomplete or limited, includes reflections on the social and ethical responsibilities associated to its application.
2. CA15 (Competence) Integrate knowledge to formulate judgments based on information that, despite being incomplete or limited, includes reflections on the social and ethical responsibilities associated to its application.
3. CA16 (Competence) Integrate information obtained from the scientific literature using the appropriate channels, contrasting the alternatives and engaging in critical debate.
4. KA16 (Knowledge) Recognize the ethical, economic, legal, gender, and/or environmental dimensions of a project, process, or product within industrial or biomedical biotechnology.
5. SA17 (Skill) Search, compare, critically analyse, and synthesize information obtained from databases and other sources to solve complex problems in one's field.

6. SA17 (Skill) Search, compare, critically analyse, and synthesize information obtained from databases and other sources to solve complex problems in one's field.
7. SA18 (Skill) Prepare technical reports in the fields of industrial and biomedical biotechnology and communicate the results orally in a clear, concise and unambiguous manner.
8. SA19 (Skill) Plan different task resolution activities entrusted within a working group, while adequately managing time and resources.
9. SA20 (Skill) Demonstrate the autonomous learning skills required to continue academic and vocational training, applying the knowledge acquired in the master's degree to manage research projects independently and effectively communicate the results.

Content

The final master project will be presented in a scientific article format including the following sections: Introduction, Objectives, Materials and Methods, Results and Discussion, Conclusions and Bibliography. The work presented must be based on the research topic developed during the time allocated for the module realization.

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
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Type: Directed			
Supervision of the research work	9	0.36	CA16, SA17, SA18, SA19, CA16
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Type: Supervised			
Supervision of the Master's final project	360	14.4	CA15, CA16, KA16, SA17, SA18, SA20, CA15
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Type: Autonomous			
Autonomous work in a research laboratory	39	1.56	CA15, CA16, SA17, SA18, CA15
Writing up and presentation of the Master's final project thesis	39	1.56	CA15, SA17, SA19, SA20, CA15
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The training activities are directly related to the performance of the research project and mostly correspond to the follow-up of the laboratory work, planning of experiments and evaluation of the obtained results. These are activities mostly supervised that are complemented by own work from the student, in aspects such as the study of bibliography and the preparation of the written report of the work and its oral defense.

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	Weighting	Hours	ECTS	Learning Outcomes
Evaluation of the oral presentation and discussion	1/3 of the final grade	0.9	0.04	CA15, CA16, KA16, SA17, SA18
Evaluation of the written report	1/3 of the final grade	2	0.08	CA15, CA16, SA17, SA18, SA20
Report from the supervisor of the master's final project	1/3 of the final grade	0.1	0	CA16, KA16, SA18, SA19, SA20

The evaluation of the final master project is based on three aspects:

- 1) Report from advisor/advisors of the final master project (1/3 of final score).
- 2) Score given to the written final report of the project by a commission of three professors or researchers in the Biotechnology domain (1/3 of final score)
- 3) Score given to the oral presentation and discussion of the work performed by a commission of three professors or researchers in the Biotechnology domain (1/3 of final score).

Bibliography

The bibliography will be provided by the advisor of the Master thesis according to the topic of the work to be developed.

Software

During the practicals, no specific software will be used, except dedicated softwares from laboratory equipment, and/or software tools for mathematical modelling and simulation, to be determined according to the type of work.

Alumni will use standard ofimatic software packages for data processing and writing up of the report of the practicum.

Groups and Languages

Please note that this information is provisional until 30 November 2025. You can check it through this [link](#). To consult the language you will need to enter the CODE of the subject.

Name	Group	Language	Semester	Turn
(PEXTinternm) Pràctiques externes i pràcticum amb supervisió interna (màster)	99	Undefined	Undefined	morning-mixed
(PEXTm) Pràctiques externes i pràcticum (màster)	99	Undefined	Undefined	morning-mixed