

Work Experience

Code: 101926
ECTS Credits: 12

Degree	Type	Year	Semester
2501230 Biomedical Sciences	OT	4	0

Contact

Name: Ruben Lopez Vales
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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

Carme Nogués Sanmiquel
Mercè Martí Ripoll
Ignasi Roig

Prerequisites

As a requirement to apply, you must have completed the first year and 120 ECTS from the first three years, be enrolled at the time of starting the stay and have paid the accident and civil liability insurance provided in the fee regulations

Objectives and Contextualisation

This optional course must be preferably taken during the fourth year or in the summer after completing the activities programmed for the third year of the degree. The objectives of the subject are:

To promote the student's integration in companies, hospitals or research groups, either in a public or a private entity.

To learn and to apply Biomedical techniques that are currently used in an industrial ambit or in research projects.

To Prepare a report of the internship experience

Competences

- Apply knowledge acquired to the planning and implementation of research, development and innovation projects in a biomedical research laboratory, a clinical department laboratory or the biomedical industry.
- Contribute to public discussions on cultural matters.
- Develop critical thinking and reasoning and communicate ideas effectively, both in the mother tongue and in other languages.
- Develop independent learning habits and motivation to continue training at postgraduate level.

- Develop independent learning strategies.
- Develop scientific knowledge, critical reasoning and creativity.
- Display knowledge of the concepts and language of biomedical sciences in order to follow biomedical literature correctly.
- Generate innovative and competitive proposals for research and professional activities.
- Identify and understand the advances and challenges of research.
- Plan and implement laboratory analysis experiments and procedures belonging to the biomedical field.
- Present the objectives, development and findings of a biomedical research/innovation project, orally or in writing, to an expert or non-expert audience.
- Read and critically analyse original and review papers on biomedical issues and assess and choose the appropriate methodological descriptions for biomedical laboratory research work.
- Show respect for the ethical and legal aspects of research and professional activities.
- Work as part of a group with members of other professions, understanding their viewpoint and establishing a constructive collaboration.

Learning Outcomes

1. Contribute to public discussions on cultural matters.
2. Develop critical thinking and reasoning and communicate ideas effectively, both in the mother tongue and in other languages.
3. Develop independent learning habits and motivation to continue training at postgraduate level.
4. Develop independent learning strategies.
5. Develop scientific knowledge, critical reasoning and creativity.
6. Generate innovative and competitive proposals for research and professional activities.
7. Identify and understand the advances and challenges of research.
8. Identify the appropriate concepts and methodologies to develop the work placement project.
9. Interpret the necessary scientific literature to complement practical work correctly.
10. Interpret the results of the aforementioned techniques.
11. Orally present a structured summary of the placement.
12. Put into practice the techniques of various experimental areas of biomedicine.
13. Put the theoretical knowledge acquired into practice in a professional environment.
14. Search for, read and understand scientific articles related to the work placement project.
15. Show respect for the ethical and legal aspects of research and professional activities.
16. Work as part of a group with members of other professions, understanding their viewpoint and establishing a constructive collaboration.
17. Write a report on the placement activity undertaken.

Content

The content of this subject is variable as it will depend on the entity in particular where the student's stay and tasks or role are performed during the internship. However, in all cases, the content will be related to basic research or applied research, both at the clinic and in biomedicine. The student can carry out internships in companies or research groups associated with hospital centers or research institutes in the biomedical sector.

There are two types of internships:

- Modality A: Posts offered by UAB

These students will have an academic tutor.

- Modality B: Posts proposed by the student

These students will be tutored by a member of the course's teaching team and by an external tutor.

Methodology

The subject can be done in three periods (summer, first and second semester). The duration of each period will be made public every academic year on the website of the Faculty of Biosciences.

Students will find all the information related to this subject and how to formalize the position requested on the web page of the Faculty of Biosciences:

<http://www.uab.cat/web/informacio-academica/grau-en-cc-biomediques-1323762043945.html>

The Faculty will organize a general informative session addressed to all students of second and third year of the Degrees of the Faculty who are interested in coursing this subject

The person in charge of the subject will schedule a specific informational session every academic year.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Supervised			
Internship	280	11.2	

Assessment

ASSESSMENT

The assessment will consist of the following parts:

- Evaluation of the final report of the student (40% weight).
- Final report issued by the Academic Tutor (Modality A) / External Tutor (Modality B) (weight 60%).

The final report will be delivered in pdf format to the person in charge of the subject, no later than 15 days after the end of the internship. In exceptional cases, which must be authorized by the person in charge of the subject, this period may be extended up to a maximum of 30 days.

On the website of the Faculty "External Internships" will find the instructions for the preparation of the final report. In order to be evaluated, the teacher responsible for the subject must receive the tutor's evaluation report and the student's final report. In the case of not meeting any of these requirements, the grade of the subject will be "Not evaluable"

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Final Report	40	20	0.8	15, 14, 1, 5, 4, 3, 2, 6, 8, 7, 10, 9, 13, 12, 11, 17, 16
Tutor's final report	60	0	0	2, 6, 10, 13, 12, 17, 16

Bibliography

The Bibliography will depend on the specific task that each student will do during their internship according to what they need to prepare the final report.