

**External Practicum**

Code: 101958  
ECTS Credits: 12

Degree	Type	Year	Semester
2500890 Genetics	OT	4	0

**Contact**

Name: Constanza Lorena Cortes Crignola  
Email: Constanza.Cortes@uab.cat

**Use of languages**

Principal working language: spanish (spa)  
Some groups entirely in English: Yes  
Some groups entirely in Catalan: Yes  
Some groups entirely in Spanish: Yes

**Prerequisites**

The Faculty regulations establish that, in order to apply to the academic internships, the first year and 120 credits of the first three years must be passed at the time of pre-registration. In addition, you must be enrolled at the time you begin your internship and also have paid the insurance for accidents and liabilities 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 Genetics' techniques that are currently used in an industrial ambit or in research projects.
- Prepare a report of the internship experience.

**Skills**

- Adapt to new situations.
- Apply knowledge of theory to practice.
- Apply scientific method to problem solving.
- Appreciate the importance of quality and a job well done.
- Assume ethical commitment
- Be able to analyse and synthesise.
- Be able to communicate effectively, orally and in writing.
- Be able to organise and plan.
- Be sensitive to environmental, health and social matters.
- Design experiments and interpret the results.
- Develop creativity.
- Develop self-directed learning.
- Integrate knowledge and skills to produce an academic or professional study on genetics.

- Make decisions.
- Reason critically.
- Take the initiative and demonstrate an entrepreneurial spirit.
- Use and manage bibliographic information or computer or Internet resources in the field of study, in ones own languages and in English.
- Work in an international context.
- Work individually and in teams.

## Learning outcomes

1. Adapt to new situations.
2. Apply knowledge of theory to practice.
3. Apply scientific method to problem solving.
4. Appreciate the importance of quality and a job well done.
5. Assume ethical commitment
6. Be able to analyse and synthesise.
7. Be able to communicate effectively, orally and in writing.
8. Be able to organise and plan.
9. Be sensitive to environmental, health and social matters.
10. Design experiments and interpret the results.
11. Develop creativity.
12. Develop self-directed learning.
13. Integrate and apply knowledge and skills in the professional field of genetics.
14. Make decisions.
15. Reason critically.
16. Take the initiative and demonstrate an entrepreneurial spirit.
17. Use and manage bibliographic information or computer or Internet resources in the field of study, in ones own languages and in English.
18. Work in an international context.
19. Work individually and in teams.

## Content

The content of the subject is variable, as it will depend on the entity where the internship is done. However, the content will always be closely related to Genetics. In order to perform an activity related to the field of Genetics, the coordinator of the course must give his/her approval to the internship proposed by the student.

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 internship may be done in three different 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. At the time of choosing the period, it is necessary to take into account that the delivery date of the report, as it should be at least 2 weeks before the closing of the course transcript.

In addition, the student will also find all the information related to this subject, how to formalise the request and all the procedures derived from the adjudication of the internship post in the Faculty's web page titled "Academic Practices in Entities".

Each course, a general information session for the students of the second and third year of all the degrees of the Faculty will be organized. In addition, the course coordinator will schedule a specific information session during the second semester.

## Activities

Title	Hours	ECTS	Learning outcomes
<b>Type: Supervised</b>			
Internship	280	11.2	1, 3, 2, 5, 9, 12, 11, 10, 13, 14, 16, 15, 7, 6, 8, 18, 19, 17, 4

## Evaluation

The course's assessment will consist of two parts:

- 1) Student's final report (40% of the final grade). The report will be evaluated by a member of the course's evaluation committee.
- 2) The Academic Tutor / External Tutor's evaluation of the student (60% of the final grade). **The tutor has the power over the student's evaluation and can only be modified in cases where strong evidence of its impartiality is presented.**

The final report will be delivered electronically in PDF format to course's coordinator a maximum of 15 days after the end of the internship and a maximum 15 days before the closing of the course's transcript. Exceptional cases must be authorised by the person in charge of the subject.

The course's coordinator must receive the tutor's evaluation and the report written by the student in order to assess the student's work. In the case of not meeting one of these requirements, the final grade will be "Not assessable".

Total or partial plagiarism in the development of the report will result in a 0.

The Regulations of the subject, which includes the instructions for the preparation of the final report, can be found on the Faculty's "Academic Practices in Entities" website.

## Evaluation activities

Title	Weighting	Hours	ECTS	Learning outcomes
Final Report	40%	20	0.8	1, 3, 2, 5, 9, 12, 11, 10, 13, 14, 16, 15, 7, 6, 8, 18, 19, 17
Tutor's final evaluation	60%	0	0	1, 3, 2, 5, 9, 12, 11, 10, 13, 14, 16, 15, 7, 6, 8, 18, 19, 17, 4

## 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.

Websites of interest (in catalan):

Academic internship general webpage:

<http://www.uab.cat/web/els-estudis/practiques-academiques-en-entitats-graus-1322813344188.html>

Genetics Academic intership:

<http://www.uab.cat/web/els-estudis/practiques-academiques-en-entitats-graus/grau-en-genetica-1345697633892>

FAQ: <http://www.uab.cat/web/estudiar/graus/graus/preguntes-frequents-1345708479606.html>