

**COURSE DATA****Data Subject**

| | |
|----------------------|----------------------|
| Code | 33203 |
| Name | External internships |
| Cycle | Grade |
| ECTS Credits | 12.0 |
| Academic year | 2024 - 2025 |

Study (s)

| Degree | Center | Acad. Period year |
|--------------------------------|--------------------------------|--------------------------|
| 1102 - Degree in Biotechnology | Faculty of Biological Sciences | 4 Annual |

Subject-matter

| Degree | Subject-matter | Character |
|--------------------------------|---------------------------|-------------------|
| 1102 - Degree in Biotechnology | 112 - External internship | External Practice |

Coordination

| Name | Department |
|--------------------------------|-------------------|
| GARCIA ROBLES, INMACULADA ROSA | 194 - Genetics |

SUMMARY

External practices undertaken as a compulsory subject in the last year of the degree represent a first contact of the student with the working world. Since students have previously completed the compulsory subjects of the degree, the skills acquired during the race to professional activity and work, choosing to do the areas most suitable performance apply. Ultimately, it is intended that students begin to work together in specific working environments, and facilitate employability and graduates. Faculty evaluate the training acquired during the degree for employability of students, which reversed, if necessary, in appropriate adjustments intended to optimize it.

The overall objectives of these practices are: (1) Know the working world. (2) Apply the skills acquired during the degree development of professional activity and work. (3) Working Group in the workplace. (4) To facilitate the employability of graduates. (5) Assess the extent to which the training acquired fits employability.



PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

Students who enroll matter "external practices" should be passed all subjects of the first two years and half of the credits of the subjects in the third year.

COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

1102 - Degree in Biotechnology

- The ability to detect needs and situations that require professional attention.
- The ability to identify useful resources to put this attention into practice.
- The ability to apply and develop this attention.
- Acquire suitable professional skills.
- The ability to handle different relationships with clients.
- Develop skills to cooperate with other professionals.
- Familiarity with the least attractive and routine aspects of the profession.
- Tomar conciencia del componente ético y los principios deontológicos del ejercicio de la profesión.
- Desarrollar una buena actitud de trabajo en grupo, respetando a los compañeros y dejando de lado prejuicios y discriminaciones.
- Be able to work under the orders of heads.
- Ser capaz de evaluar las posibles consecuencias medioambientales de su actividad profesional.
- Ser capaz de evaluar los posibles riesgos laborales derivados de su actividad profesional.

LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)

- Handle basic literature sources related to the subject and acquire ability to deepen their knowledge on a specific topic related to external practices.
- Understand and use the proper terminology for describing the processes used.
- Knowing how to detect needs and situations requiring professional intervention. Knowing identify useful resources to carry out that intervention.
- Knowing how to apply and develop such intervention.
- Make contact with routine and less attractive aspects of the profession.
- Aware of the ethical component and the ethical principles of professional practice.
- Being able to assess potential occupational risks arising from their professional activity
- Being able to assess the potential environmental consequences of their professional activity.
- Capacity for independent learning and adapting to new situations.



- Ability to interrelate and apply the concepts and logical principles acquired in other disciplines.
- Using new communication technologies.

DESCRIPTION OF CONTENTS

1. External practice program for graduates in Biotechnology

The student will be integrated into a team working in the business / R & D + i to perform or assist in a task order to implement / develop the knowledge acquired in other subjects of the degree. The objectives of the external practices are focused on completing the general objectives of the degree and consist essentially providing students the opportunity to deal with business work environment, both in industry and in R & D + i.

The CAT Degree in Biotechnology propose annually the list of contents, as well as the list of centers that offer such practices, so that students can have as much information as possible before the commencement of work

Job Location

The Placement may be made in biotechnology-based companies and research centers R + D + i with strong biotech component.

Profile external practices for graduates / as with intensification in "Biotechnology":

Laboratories:

- Developmental Biology and Stress in Plants
- Structural Biology
- Cell Biology and Pathology
- Clinical Biochemistry
- Biochemistry and Molecular Biology
- Genetic engineering
- Environmental Biotechnology
- Food Biotechnology
- Cytomics
- Breeding
- Genomics and Proteomics
- Biomedical Research
- Oncology.
- Metabolic Pathology
- Peptides and Proteins
- Plant Protection and Biotechnology
- Assisted reproduction.

Product development and industrial scale biotechnology applications

Management, analysis and control of biotechnological processes in industrial scale plants.

Technology transfer between basic and applied research in the laboratory and industrial scale implementation in bioindustries

Engineering and advice relating to the implementation of biotechnological applications



WORKLOAD

| ACTIVITY | Hours | % To be attended |
|----------------------------|--------------|------------------|
| Internship | | 100 |
| Study and independent work | 50,00 | 0 |
| TOTAL | 50,00 | |

TEACHING METHODOLOGY

- Previous documentation regarding the activities undertaken in the company.
- Required the company to carry out the activities established in the stipulated hours assistance.
- Preparation of summary or practicum work memory.

EVALUATION

According to the activities developed in the company will be allocated to the different departments of the Faculty mentoring them. University tutors will be responsible responsible for explaining to the students the assessment criteria practicum memory to be established at a meeting with the student before the start of the internship.

evaluation

The student must meet the following minimum requirements to pass the Placement:

- Have attended the tutorials and followed the activities proposed for the same by the tutor of the University.
 - Have fulfilled solvency work plan proposed by the company tutor, school or institution.
 - Have submitted the memory * and the following documents for completion and evaluation of practices completed by the student and the tutor of the company within 10 days after completion of the practicum.-
- Completion practices Document
-Form Placement assessment completed by the student.

The University tutor learning assessed taking into account:

(a) The practicum report presented to the completion. The points awarded will be considered in the following aspects:

Quantity and quality of the activities carried out by the student

Memory Adequacy standards scientific writing and the criteria previously established by the University Tutor Clarity, accuracy and linguistic correctness writing (b) The company tutor assessed through a questionnaire, the skills acquired by the student. The assessment issued by the company tutor will be based on attendance, ability to integrate into the working group and the activity undertaken by the student.



REFERENCES

Basic

- No procede

