



## Information about the subject

**Degree:** Bachelor of Science Degree in Biotechnology

**Faculty:** Faculty of Veterinary Medicine and Experimental Sciences

**Code:** 1100404 **Name:** Internship

**Credits:** 6,00 **ECTS Year:** 4 **Semester:** 2

**Module:** Final Degree Project

**Subject Matter:** Internship **Type:** Internship

**Field of knowledge:** Ciencias

**Department:** -

**Type of learning:** Classroom-based learning

**Languages in which it is taught:** Spanish

**Lecturer/-s:**

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## Module organization

### Final Degree Project

Subject Matter	ECTS	Subject	ECTS	Year/semester
Internship	6,00	Internship	6,00	4/2
Final Degree Project	12,00	Final Bachelor's Degree Project	12,00	4/2

## Recommended knowledge

The student must have passed at least 75% ECTS from the 1st to 3rd year (minimum 135 ECTS)

## Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 The student can apply the knowledge acquired in pre-professional practice.
- R2 The student has learned how to handle technical or bibliographical tools specific to the biotechnology sector.
- R3 The student expresses himself/herself with the appropriate professional technology.
- R4 The student shows initiative and a pro-active attitude.
- R5 The student is capable of preparing a report related with the work he/she performed.
- R6 The student has developed practical skills for individual and group work, in the context of a specific biotechnological sector.



## Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

BASIC		Weighting			
		1	2	3	4
CB1	Students acquire and understand knowledge in their field of study based on general secondary education but usually reaching a level that, although supported on advanced text books, also includes aspects involving state-of-the-art knowledge specific to their area.			X	
CB2	Students are able to apply knowledge to their work in a professional way and have the competences enabling them to state and defend views and opinions as well as perform problem-solving tasks in their field of study.				X
CB3	Students are able to collect and interpret relevant data (generally in their field of study) and give opinions that involve reflection on relevant social, scientific or ethical issues.			X	
CB4	Students can communicate information, ideas, problems and solutions to a specialized or non-specialized audience.				X
CB5	Students develop the necessary learning skills to undertake further studies with a high level of autonomy.			X	

GENERAL		Weighting			
		1	2	3	4
CG01	Capacity to analyze and synthesize.				X

SPECIFIC		Weighting			
		1	2	3	4
CE22	Knowing and understanding contents, principles and theories related to biotechnology.				X



CE23	Knowing how to use laboratory equipment and to carry out basic operations for each discipline including: safety measures, handling, waste disposal and activity register.				X
CE24	Knowing basic and instrument laboratory techniques in the different areas of biotechnology.				X
CE25	Knowing how to analyze and understand scientific data related to biotechnology.			X	
CE27	Knowing and applying action plans and assessment criteria of biotechnology processes.				X
CE28	Integrating life science and Engineering into processes of development of biotechnological products and applications.				X
CE29	Contrasting and checking results of biotechnological experimentation.		X		
CE30	Solving and analyzing problems posed by biotechnology.				X
CE31	Describing and calculating important variables of processes and experiments.				X
CE32	Knowing how to use different specific operating systems and software packages designed for Biotechnology.				X
CE33	Knowing and complying with legislation and ethics of biotechnological processes and applications.				X
CE34	Knowing main characteristics of Molecular biosciences and biotechnology communication.			X	

## TRANSVERSAL

## Weighting

	1	2	3	4
CT02 Capacity to organize and plan.				X
CT03 Mastering Spanish oral and written communication.			X	
CT04 Command of a foreign language (English)			X	
CT05 Knowing and applying Basic ITC skills related to Biotechnology.				X
CT06 Capacity to manage information (capacity to look for and analyze information coming from different types of sources).				X



**Year 2023/2024**  
**1100404 - Internship**

	1	2	3	4	5
Unfamiliar situations					x
Unconventional ideas (creativity)					x
Unconventional					x
Surprising spirit					x
Technical knowledge					x
Technical				x	
Real issues			x		



## Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R4, R6	40,00%	Report by the tutor in the company or centre
R1, R2, R3, R4, R5, R6	40,00%	Submitting a report and/or written papers
R1, R2, R3, R4, R6	20,00%	Oral presentation

### Observations

\* In order to pass the subject, a minimal grade of 5/10 is required in all tasks.\* Assistance to formation seminars is mandatory to pass the subject for all students, no matter whether they carry on the internship in Spain or abroad. Only those students who develop their internship abroad during the whole academic year are exempted from this duty.

### MENTION OF DISTINCTION:

According to Article 22 of the Regulations governing the Evaluation and Qualification of UCV Courses, the mention of "Distinction of Honor" may be awarded by the professor responsible for the course to students who have obtained, at least, the qualification of 9 over 10 ("Sobresaliente"). The number of "Distinction of Honor" mentions that may be awarded may not exceed five percent of the number of students included in the same official record, unless this number is lower than 20, in which case only one "Distinction of Honor" may be awarded.

## Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- |    |  |
|----|--|
| M4 | Supervised monographic sessions with shared participation..  |
| M6 | Personalized and small group attention. Period of instruction and/or guidance carried out by a tutor to review and discuss materials and topics presented in classes, seminars, readings, papers, etc. |



- M7 Set of oral and/or written tests used in initial, formative or additive assessment of the student
- M8 Group preparation of readings, essays, problem-solving, seminars, papers, reports, etc. to be presented or submitted in theoretical , practical and/or small-group tutoring sessions. Work done on the university e-learning.
- M9 Student's study: Individual preparation of readings, essays, problem-solving, seminars, papers, reports, etc. to be presented or submitted in theoretical, practical and/or small-group tutoring sessions. Work done on the university e-learning platform.

## IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
SEMINAR M4	R1, R2, R4, R6	8,00	0,32
TUTORIAL M6	R5	7,50	0,30
ASSESSMENT M7	R1, R2, R3, R4, R5, R6	2,00	0,08
<b>TOTAL</b>		<b>17,50</b>	<b>0,70</b>

## LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
AUTONOMOUS GROUP WORK M8	R1, R2, R3, R4, R5, R6	112,50	4,50
AUTONOMOUS INDIVIDUAL WORK M9	R1, R2, R3, R4, R5, R6	20,00	0,80
<b>TOTAL</b>		<b>132,50</b>	<b>5,30</b>



## Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
Professional development seminars	Block 1. Disability in the professional sector. Block 2. Professional orientation. Block 3. Employability

Temporary organization of learning:

Block of content	Number of sessions	Hours
Professional development seminars	4,00	8,00

## References





## Addendum to the Course Guide of the Subject

Due to the exceptional situation caused by the health crisis of the COVID-19 and taking into account the security measures related to the development of the educational activity in the Higher Education Institution teaching area, the following changes have been made in the guide of the subject to ensure that Students achieve their learning outcomes of the Subject.

**Situation 1: Teaching without limited capacity** (when the number of enrolled students is lower than the allowed capacity in classroom, according to the security measures taken).

In this case, no changes are made in the guide of the subject.

**Situation 2: Teaching with limited capacity** (when the number of enrolled students is higher than the allowed capacity in classroom, according to the security measures taken).

In this case, the following changes are made:

### 1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject will be made through a simultaneous teaching method combining onsite teaching in the classroom and synchronous online teaching. Students will be able to attend classes onsite or to attend them online through the telematic tools provided by the university (videoconferences). In any case, students who attend classes onsite and who attend them by videoconference will rotate periodically.

In the particular case of this subject, these videoconferences will be made through:

☒ Microsoft Teams

☒ Kaltura



## **Situation 3: Confinement due to a new State of Alarm.**

In this case, the following changes are made:

### **1. Educational Activities of Onsite Work:**

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject, as well as the group and personalized tutoring, will be done with the telematic tools provided by the University, through:

☒ Microsoft Teams

☒ Kaltura

Explanation about the practical sessions:

In case of confinement, the seminars will be held using Microsoft Teams, Kaltura or Blackboard Collaborate Ultra. Personal interviews will be conducted by videoconference through Microsoft Teams.

If a situation of confinement occurs, in the event that the student has completed the minimum hours of practice (150 hours), no additional action would be necessary. In the event that the student has not completed the minimum hours (150 hours), they will propose to the collaborating entity to continue teleworking in the tasks agreed in the annex to the Educational Cooperation Agreement, or in tasks adapted to non-attendance. In both cases, efforts will be made so that the students can return to the center in the event that the situation returns to normal, provided that the responsible declaration document is signed by the



company and the student.

## 2. System for Assessing the Acquisition of the competences and Assessment System

### ONSITE WORK

#### Regarding the Assessment Tools:

☒ The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.

☐ The following changes will be made to adapt the subject's assessment to the online teaching.

Course guide		Adaptation	
Assessment tool	Allocated percentage	Description of the suggested changes	Platform to be used

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

#### Comments to the Assessment System: