

DESCRIPTION OF THE SUBJECT

Degree/Master in: Master's in MOLECULAR AND CELLULAR BIOLOGY by the University of Málaga
Centre: Faculty of Sciences
Subject: EXPERIMENTAL TECHNIQUES IN CELLULAR AND MOLECULAR BIOLOGY III
Code: 109
Type: Optional
Materia: EXPERIMENTAL TECHNIQUES IN CELLULAR AND MOLECULAR BIOLOGY III
Module: EXPERIMENTAL TECHNIQUES
Modality: Theoretical
Language: Spanish
Year: 1
Semester: 1
N° of ECTS: 3
N° of hours of work by student: 75
Size of the Big Group: 0
Size of the Reduce Group: 0
Website of the subject: -

TEACHERS

Department: MOLLECULAR BIOLOGY AND BIOCHEMISTRY
Area: BIOCHEMISTRY AND MOLLECULAE BIOLOGY

Name	Mail	Work phone	Office	Tutoring hours
JOSE LOZANO CASTRO	jlozano@uma.es	952137588	-	-
MANUEL MACÍAS GONZÁLEZ	mmacias.manuel@gmail.com			

RECOMMENDATIONS AND ORIENTATIONS

CONTEXT

COMPETENCES

Specific Competences

2.11 Acquire skills in the correct preparation of samples and reagents for the analysis of nucleic acids and proteins.

2.12 Acquire skills to choose the appropriate methods to analyse a particular gene or protein within the complexity of an organism.

2.13 Ability to perform the selected methods of analysis.

2.14 Ability to analyse and interpret experimental results using the principles of scientific thinking.

CONTENT OF THE SUBJECT

TRAINING ACTIVITIES

Face-to-face activities

Laboratory practices

Masterclass

ASSESSMENT ACTIVITIES

LEARNING RESULTS / ASSESSMENT CRITERIA

ASSESSMENT PROCEDURE

BIBLIOGRAPHY AND OTHER SOURCES

DISTRIBUTION OF STUDENT'S WORK

FACE-TO-FACE TRAINING ACTIVITIES

Description	Hours	Big Group	Reduced Group
Laboratory practices	10	Yes	No
Masterclass	5	Yes	No
Exhibition activities	7.5	Yes	No
TOTAL OF HOURS FACE-TO-FACE TRAINING ACTIVITIES	22.5		

NON-FACE-TO-FACE TRAINING ACTIVITIES

TOTAL OF HOURS NON-FACE-TO-FACE ACTIVITIES	45
TOTAL OF HOURS OF EVALUATION ACTIVITIES	7.5
TOTAL OF HOURS OF STUDENT'S WORK	75

ADAPTATION TO VIRTUAL MODE DUE TO COVID19

Training activities

Depending on the circumstances, in a bimodal teaching scenario, the hybrid will be combined with the presential classes with the teaching telematics, following the distribution of days/week that the Center determines. In a potential **scenario B**, of totally virtual teaching, master classes will be provided by the next video conference, where possible, the same timetable for the classes in person. The platform without prejudice, Microsoft Teams will be preferred that other similar alternatives can be used. Virtual practices will support the activities to the extent possible in stage B.

Assesment procedure

Depending on the circumstances, in a hybrid or bimodal teaching scenario, the evaluation exams will preferably be onsite whenever circumscriptions allow it. In **scenario B**, of totally virtual teaching, the exams will be realized of telematic way, using any computer platforms and procedures available, including individual exams by video conference.

Contents

It is not expected that the contained theorists will suffice changes in **A/B scenarios**. Only one could contemplate a surprise and/or exchange for complementary activities about practical classes in **scenarios A or B**, as discussed before. Formative Activities? This signature has a significant practical component that implies basic protocols, molecular biology, and seminar presentation. If the practices were not carried out in person, they would be replaced by virtual practice and specific tutorials distributed to students through the available telematic routes. As for seminars, a stage in person will be held by videoconference through the Microsoft Teams platform or a similar one.

Tutorials

In **scenario A** of semi-presential teaching, the usual tutoring hours are maintained. A tutoring request system will be enabled through the Calendly platform if it is not possible. It will be carried out through the Microsoft Teams platform at the agreed time and time. This last option will be the only one in force in **scenario B**, entirely virtual teaching.