

**COURSE DATA****DATA SUBJECT****Code:** 36859**Name:** Computer Techniques in Biology**Cycle:** Undergraduate Studies**ECTS Credits:** 6**Academic year:** 2026-27**STUDY (S)**

Degree	Center	Acad. year	Period
1106 - Degree in Biology	Facultat de Ciències Biològiques	4	First quarter

**SUBJECT-MATTER**

Degree	Subject-matter	Character
1106 - Degree in Biology	Optatividad	ELECTIVES

**COORDINATION****SUMMARY****PREVIOUS KNOWLEDGE****RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE**

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

**COMPETENCES / LEARNING OUTCOMES****1106 - Degree in Biology**

(CB4) Students must be able to communicate information, ideas, problems and solutions to both expert and lay audiences.

(CB5) Students must have developed the learning skills needed to undertake further study with a high degree of autonomy.

Efficient use of command-line software and computer scripts, as well as GIS applications, for data analysis and the resolution of specific biological problems, such as sequence analysis or the interpretation of ecological processes using georeferenced data.

Interpret, analyse, evaluate, process and synthesise biological data and information by applying



mathematical and statistical methods.

Interpret and apply basic legislation to manage professional tasks within the field of biology.

Organise, plan and manage information in a manner that allows the individual to analyse, synthesise and develop critical reasoning that can be applied to solve problems, make decisions and carry out work.

Students must be able to apply their knowledge to their work or vocation in a professional manner and have acquired the competences required for the preparation and defence of arguments and for problem solving in their field of study.

Students must have acquired knowledge and understanding in a specific field of study, on the basis of general secondary education and at a level that includes mainly knowledge drawn from advanced textbooks, but also some cutting-edge knowledge in their field of study.

Use ICTs, apps and other computer tools to manage and disseminate information in both educational and professional environments.

## DESCRIPTION OF CONTENTS

## WORKLOAD

### PRESENCIAL ACTIVITIES

Activity	Hours
Tutorials	5,00
Theory	5,00
Computer classroom practice	50,00
<b>Total hours</b>	<b>60,00</b>

### NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	0,00
Independent study and work	0,00
Preparation of lessons	0,00
Preparation for assessment activities	0,00
Resolution of case studies	0,00
<b>Total hours</b>	<b>0,00</b>

## TEACHING METHODOLOGY

## EVALUATION

## REFERENCES