

Degree	Type	Year	Semester
4313771 Plant Biology and Biotechnology	OB	0	2

Contact

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Use of languages

Principal working language: catalan (cat)

Prerequisites

Follow Master

Objectives and Contextualisation

To introduce students to the research in the field of Biology and Plant Biotechnology. professional environment in the industrial and / or research

Skills

- Conceive, design, manage and develop a scientific, technical or industrial project in biology and biotechnology of plants and fungi, interpreting findings and generating knowledge.
- Develop critical reasoning within the subject area and in relation to the scientific or business context.
- Solve problems in new or little-known situations within broader (or multidisciplinary) contexts related to the field of study.
- Synthesise, weigh up alternatives and engage in critical discussion.
- Use acquired knowledge as a basis for originality in the application of ideas, often in a research context.
- Use and manage bibliography and IT resources in the field of study.
- Use the research methodology of biology and plant biotechnology.
- Work in a multidisciplinary team.

Learning outcomes

1. Apply standard techniques most commonly used in biology and plant biotechnology to a particular case study.
2. Develop critical reasoning within the subject area and in relation to the scientific or business context.
3. Identify the different phases in the planning of R+D+I projects in the field of biology and plant biotechnology.
4. Interpret the results obtained in experiments in order to take appropriate decisions.
5. Propose projects in the real environment of the placement company or institution that are innovative and feasible.
6. Solve problems in new or little-known situations within broader (or multidisciplinary) contexts related to the field of study.
7. Synthesise, weigh up alternatives and engage in critical discussion.
8. Use acquired knowledge as a basis for originality in the application of ideas, often in a research context.
9. Use and manage bibliography and IT resources in the field of study.
10. Work in a multidisciplinary team.

Content

Placements in companies or research institutions where the student is incorporated into a research group of a company or institution taking him into fundamental stages of the R + D + i with emphasis on the selection and learning methodology and presentation and communication results. The student research project in a particular company or institution is accompanied by tutorial sessions and seminars where students using tutors analyze some aspects of organization of the institution / company practices External preferably performed in the same company or institution in order to master the job will run.

Methodology

- Lab
- Tutorials
- Seminars
- Carrying out the tasks entrusted

Activities

Title	Hours	ECTS	Learning outcomes
Type: Directed			
Labs	5	0.2	1, 10
Type: Supervised			
Participation in seminars and tutorials	170	6.8	7, 2, 6
Type: Autonomous			
Carrying out the tasks entrusted	50	2	10, 9

Evaluation

Evaluation activities

Title	Weighting	Hours	ECTS	Learning outcomes
Attendance and active participation in tutorials and seminars	20%	0	0	7, 2
Delivery of papers/reports	30%	0	0	7, 2, 5, 6
Tutor report	50%	0	0	1, 7, 10, 2, 3, 4, 6, 8, 9

Bibliography

To be decided