Universitat Autònoma de Barcelona

2019/2020

Project Organisation and Management

Code: 105030
ECTS Credits: 3

Degree	Type	Year	Semester
2501915 Environmental Sciences	OT	4	0

Contact

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Use of Languages

Principal working language: catalan (cat)
Some groups entirely in English: No
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: No

Teachers

Xavier Font Segura
Roser Maneja Zaragoza
Ernest Marco Urrea

Prerequisites

It is highly recommended to enroll in this subject at the same time as the TFG

Objectives and Contextualisation

This subject corresponds to a part of theory that until now was taught within the subject of the TFG. Therefore, the main objective continues to be to make available to the student the conceptual, technical and methodological tools that help to do the work.

Competences

- Adequately convey information verbally, written and graphic, including the use of new communication and information technologies.
- Analyze and use information critically.
- Collect, analyze and represent data and observations, both qualitative and quantitative, using secure adequate classroom, field and laboratory techniques
- Demonstrate adequate knowledge and use the most relevant environmental tools and concepts of biology, geology, chemistry, physics and chemical engineering.
- Demonstrate adequate knowledge and use the tools and concepts of mathematics, computer science and statistics to analyze and manage environmental issues.
- Demonstrate adequate knowledge and use the tools and concepts of the most relevant social science environment.
- Demonstrate concern for quality and praxis.
- Demonstrate initiative and adapt to new situations and problems.
- Develop communication strategies on environmental issues, including environmental risks
- Information from texts written in foreign languages.

- Integrate environmental information in order to formulate and test hypotheses.
- Integrate physical, technological and social aspects that characterize environmental problems.
- Learn and apply in practice the knowledge acquired and to solve problems.
- Quickly apply the knowledge and skills in the various fields involved in environmental issues, providing innovative proposals.
- Teaming developing personal values regarding social skills and teamwork.
- Work autonomously

Learning Outcomes

1. Adequately convey information verbally, written and graphic, including the use of new communication and information technologies.
2. Analyze and use information critically.
3. Communicate environmental problems with proper attention to the problems of environmental risk and the relevant regulations in the fields of safety and environmental health.
4. Demonstrate concern for quality and praxis.
5. Demonstrate initiative and adapt to new situations and problems.
6. Demonstrate knowledge of some of the main areas of scientific disciplines environment.
7. Demonstrate knowledge of some of the main areas of the social sciences in the environment.
8. Identify processes sciences, life sciences and social sciences in the surrounding environment and evaluate them properly and originally.
9. Information from texts written in foreign languages.
10. Integrate environmental information with environmental knowledge acquired from the sequence of observation, recognition, synthesis and modeling.
11. Know the main debates of current scientific thinking, especially regarding the environment.
12. Knowing the main theories and methodologies of environmental education and communication and the ability to apply to practical cases these theoretical teachings.
13. Learn and apply in practice the knowledge acquired and to solve problems.
14. Learn and apply the most important epidemiological analysis of environmental risks and the overall risk analysis methodologies.
15. Learn and apply the theoretical and practical aspects of environmental impact assessment principles.
16. Learn the main physical and biological bases of oceanography and their interactions.
17. Observe, recognize, analyze, measure and properly and safely represent environmental processes.
18. Prepare a report explaining the results obtained in the performance of work in the field of environmental sciences.
19. Teaming developing personal values regarding social skills and teamwork.
20. Work autonomously

Content

Key elements of an end-of-degree work memory for environmental sciences. That must contain a work of environmental sciences.

Formal aspects of work.

Quantitative and qualitative techniques useful for the realization of essential aspects of a TFG.

Techniques of oral presentation and communication.

Methodology

Theoretical sessions will be combined in class, with the organization of workshops through computer practices and the discussion of the fundamental elements for the writing of the memory.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Seminars	3	0.12	2, 11, 12, 6, 7, 4, 8
Solving problems classes	3	0.12	2, 13, 15, 14, 5, 4, 10, 17, 9, 20, 19
Theory	18	0.72	2, 13, 15, 14, 16, 3, 11, 12, 6, 7, 5, 4, 18, 8, 10, 17, 9, 1, 20, 19
Type: Supervised			
Tutoring	10	0.4	2, 13, 15, 14, 16, 3, 11, 12, 6, 7, 5, 4, 18, 8, 10, 17, 9, 1, 20, 19
Work preparation	18	0.72	2, 13, 15, 14, 16, 3, 11, 12, 6, 7, 5, 4, 18, 8, 10, 17, 9, 1, 20, 19
Type: Autonomous			
Reading. study of the received information and information search	20	0.8	2, 13, 15, 14, 16, 11, 12, 5, 4, 8, 9, 20

Assessment

An examination and / or activity report of individual character will be carried out.

To ask for a reevaluation the student must have been received a mark in activities that represent at least 2/3 of the global mark during the course.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Evaluation activity	100%	3	0.12	2, 13, 15, 14, 16, 3, 11, 12, 6, 7, 5, 4, 18, 8, 10, 17, 9, 1, 20, 19

Bibliography

The available at the beginning of the course.