

Environmental Education and Communication

Code: 102826
ECTS Credits: 6

Degree	Type	Year	Semester
2501915 Environmental Sciences	OT	4	0

The proposed teaching and assessment methodology that appear in the guide may be subject to changes as a result of the restrictions to face-to-face class attendance imposed by the health authorities.

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

Prerequisites

To have completed the first cycle of the degree of Environmental Sciences

Objectives and Contextualisation

Contextualization / objectives

The subject of Education and Communication of the UAB is an optional one of 6 credits of the degree of Environmental Sciences that is realized during the fourth course. It consists of the only training in Environmental Education and Communication of the degree. Its intention is very professional, in the sense of providing students with useful elements for the development of the profession; it is a question of incorporating in his backpack specific perspectives, methodologies and techniques, as well as small practical experiences, that allow to go out to participate already in diverse programs and institutions when finishing the subject.

The form taken by the dynamics of the group is in itself an educational innovation: the cooperative of environmental educators and communicators, which students must form at the beginning of the course; the subject will be configured as the cooperative's response to assignments in real contexts. Learning will thus be based on responding to these tasks. This context aims to place students even more in the work dynamics that they leave at the end of the degree.

The objectives in this subject are:

- Know the diversity of approaches to education and environmental communication.
- Identify and value the contributions of environmental education in citizenship education.
- Explore, identify and manage teaching and learning teaching tools in Environmental Education.
- Explore, identify and manage strategies and instruments of environmental communication.
- Design and Analyze Environmental Education and Communication Practices in Various Contexts (Formal Education, Non-Formal Education, Citizen Participation)

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 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 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. Knowing the main theories and methodologies of environmental education and communication and the ability to apply to practical cases these theoretical teachings.
11. Learn and apply in practice the knowledge acquired and to solve problems.
12. Observe, recognize, analyze, measure and properly and safely represent environmental processes.
13. Teaming developing personal values regarding social skills and teamwork.
14. Work autonomously

Content

Environmental Education: historical perspective, evolution and cartography of various currents

Environmental Education and Communication: purpose, objectives, key components and methodological approaches

Strategies in Environmental Education in different areas of intervention: formal education, no formal and informal

Strategies in Environmental Communication in different areas of intervention: formal education, no formal and informal

Quality criteria in Education and environmental communication.

Professional skills in Environmental Education and Communication

Design, elaboration and evaluation of a project or didactic material in education and environmental communication.

Methodology

The training activity will be developed based on the following dynamics:

- Group dynamics - educational techniques - and cooperative construction
- Master classes / lectures by guests or teacher
- Reading, analysis and discussion of articles and documentary sources
- Classroom practices: problem solving / cases / exercises in the form of assignments to the cooperative
- Field practices (if face-to-face activity can be done in centers and on the street).

The protagonist in the teaching-learning process is the student and it is under this premise that the methodology of the subject has been planned. The types of activities have been diversified to ensure attention to diversity and the connection between students and competences from the individual and group dimensions and from work outside the classroom and classroom activities.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Teachers' lectures on contents and basic issues on the agenda. It is done with the whole class group and allows the presentation of the main contents through an open and active participation by the students (theory)	15	0.6	2, 11, 3, 10, 6, 7, 4, 8, 12, 1, 13
Workspace in small groups supervised by the teacher for the analysis or preparation of activities and / or curricular materials; case study, field activities to deepen proposed topics (classroom practices)	20	0.8	2, 11, 3, 5, 4, 9, 1, 14, 13
workshops: field work and case resolution	15	0.6	11, 5, 12, 14, 13
Type: Autonomous			
Analysis of readings, proposals for didactic innovation, design of activities, carrying out of reports, analysis and resolution of cases	91	3.64	11, 3, 5, 4, 8, 9, 14, 13

Assessment

- Individual face-to-face exam
- Participation in the subject (individual and group)
- Delivery of reflections and practices.
- Design of an action of education and environmental communication in cooperative groups of work.

The evaluation of the subject will be carried out throughout the entire academic year through a diversity of training activities.

Attendance at the practical classes is mandatory. The student must attend a minimum of 80% of the practical hours and may not pass the subject if he does not attend the activities proposed without an obvious proof or justification.

To pass the subject, you must obtain a minimum of five in each one of the blocks and evaluation activities.

As a continuous evaluation, there will be no partial exam and the final and recovery test (40%) will be carried out on the day assigned by the Degree in Environmental Sciences. To participate in the recovery the students must have been previously evaluated in a set of activities whose weight must be equivalent to a minimum of 2/3 of the total grade of the subject.

The rest of the assessment activities in case of not exceeding 5 will be proposed to the student an alternative way of recovery provided the student has shown an attitude compatible with the educational profession and has shown active listening skills, respect, participation, cooperation, empathy, kindness, punctuality, argue, use of the appropriate mobile phone, etc.

The copy or plagiarism, both in the case of works and in the case of exams, constitute an offense that may represent suspending the subject.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Group Work - Environmental communication	25%	2	0.08	2, 11, 3, 10, 6, 7, 5, 4, 8, 12, 9, 1, 14, 13
Group Work - Environmental education	25%	2	0.08	2, 11, 10, 6, 7, 5, 4, 8, 9, 1, 14, 13
Individual briefcase	25%	3	0.12	2, 11, 3, 10, 6, 7, 5, 4, 8, 12, 9, 1, 14
Individual exam - case analysis	25%	2	0.08	2, 11, 10, 6, 7, 5, 4, 8, 12, 1, 14

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Software

Mendeley