Integrative Project III: Anthropogenic Impacts

Code: 106763
Credits: 6

2026/2027

Degree programme	Type	Course
Environmental Sciences	OB	3

Contact lecturer

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Teaching staff

Neus Puy Marimon

Group languages

You can consult this information at the end of the document.

Prerequisites

It is recommended to have taken the courses Projecte Integral I & II and be taking the courses Avaluació d'impacte ambiental & Contaminació del medi ambient.

Objectives

Projecte Integral III aims to address several case studies of anthropogenic impacts in the Mediterranean context using the academic training received during the semester and prior years. A 3-day field trip will be conducted in the lower course of the Ebre river where several environmental conflicts will be analyzed. Knowledge from different disciplines will be integrated to capture the complexity of the studied system. The participation of experts to give specialized seminars related to the topic of study will be fostered. The students will give an oral presentation in groups about a case study of anthropogenic impacts in Terres de l'Ebre and surroundings.

Learning outcomes

- CM30 (Evaluate real case studies on environmental problems and conflicts.) Evaluate real case studies on environmental problems and conflicts.
- CM31 (Evaluate factors related to the Sustainable Development Goals associated with a specific environmental problem.) Evaluate factors related to the Sustainable Development Goals associated with a specific environmental problem.
- CM32 (Undertake environmental projects based on real case studies, working in small groups.) Undertake environmental projects based on real case studies, working in small groups.
- KM39 (Identify the main aspects of the anthropisation of the environment and its possible impact on the quality of water, air and soil.) Identify the main aspects of the anthropisation of the environment and its

possible impact on the quality of water, air and soil.
- SM38 (Incorporate the scientific, technological and social knowledge associated with a specific available problem.) Incorporate the scientific, technological and social knowledge associated with a specific available problem.
- SM39 (Apply the main techniques and elements for environmental sampling and to obtain qualitative and quantitative data relevant to environmental sciences.) Apply the main techniques and elements for environmental sampling and to obtain qualitative and quantitative data relevant to environmental sciences.
- SM40 (Critically examine public and scientific information on the environment, in relation to a specific problem.) Critically examine public and scientific information on the environment, in relation to a specific problem.

Contents

- Historic evolution of the human impact on the natural environment
- Anthropogenic impacts on several systems (forest, water cycle, atmosphere, marine environment) in the Mediterranean context
- Tools for planning, developing and giving an oral presentation
- Tools for analyzing fieldwork data
- Analysis of case studies of anthropogenic impacts in Terres de l'Ebre

Learning activities and methodology

Title	Hours	ECTS	Learning outcomes
Theory sessions	14	0.56	CM30, CM31, KM39
Preparation of group project, fieldwork report and study	96	3.84	CM30, CM31, CM32, KM39, SM38, SM39, SM40
Tutoring	2	0.08	
Seminars	4	0.16	CM30, CM32, KM39, SM38
Practice sessions in the classroom	8	0.32	CM30, CM32, KM39, SM38
Field trip	24	0.96	CM30, CM31, KM39, SM38, SM39

This course is divided into theory sessions, practice sessions in the classroom, a field trip, and seminars. The learning will be approached through the analysis of real case studies of anthropogenic impacts and the presentation of a group project (oral presentation) about a specific case of anthropogenic impact in the lower course of the Ebre river.

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.

Assessment

Continuous assessment activities

Title	Weight	Hours	ECTS	Learning outcomes

Group project (oral presentation)	55% (25% final presentation, 30% partial presentations)	0	0	CM30, CM31, CM32, KM39, SM38, SM40
Test	30%	2	0.08	CM30, CM31, KM39, SM38
Fieldwork report and data processing	15%	0	0	CM30, CM31, KM39, SM38, SM39, SM40

Assessment is based on three components: a group project presentation (55%), a test at the end of the semester (30%), and the completion of a fieldwork report together with the processing of the data collected during the field trip (15%).

To pass the course, students must obtain an average final grade of at least 5.0 (out of 10) and a minimum grade of 4.0 (out of 10) in each assessment component. To be evaluated, students must attend the field trip and the project's oral presentation, submit the fieldwork report, and take the test. Otherwise, the students will have a final grade of NOT EVALUATED. This course does not offer the option of single assessment.

For students repeating the course, the field trip will not be mandatory. Regarding the assessment, students may choose to retain the grades obtained in the previous academic year for the group project and the fieldwork report/data processing (grades will be retained for one academic year only).

Second chance examination: the students who have not achieved the minimum grades can take a second chance test.

*In this course, the use of Artificial Intelligence (AI) technologies is permitted for the development of the **group project**, provided that the outcome reflects a substantial contribution from students in terms of analysis and personal reflection. Students must clearly identify which parts of their work have been generated using AI technologies, specify the tools employed, and include a critical reflection on how these tools have influenced both the process and the outcome of the activity. Failure to disclose the use of AI will be considered a breach of academic integrity and may result in a penalty in the assessment of the activity or more severe sanctions in cases of serious misconduct.*

Bibliography

Goudie, A. S.: Human Impact on the Natural Environment: Past, Present and Future, 8th Edition., Wiley-Blackwell, 480 pp., 2019.

Software

Microsoft Office 365 Package

Course groups and languages

The information provided is provisional until November 30. After this date, you will be able to consult the language of each group through this link. To access the information, you will need to enter the course CODE

Type of teaching	Group	Language	Semester	Shift

(TE) Theory	1	Catalan	first semester	morning-mixed
(PAUL) Classroom practices	1	Catalan	first semester	morning-mixed
(SEM) Seminars	1	Catalan	first semester	morning-mixed
(PCAM) Field practices	1	Catalan	first semester	morning-mixed
(PCAMs) Suport a les pràctiques de camp dirigides	1	Catalan	first semester	morning-mixed
(PAUL) Classroom practices	2	Catalan	first semester	morning-mixed
(SEM) Seminars	2	Catalan	first semester	morning-mixed
(PCAM) Field practices	2	Catalan	first semester	morning-mixed
(PCAMs) Suport a les pràctiques de camp dirigides	2	Catalan	first semester	morning-mixed
(SEM) Seminars	3	Catalan	first semester	morning-mixed
(PCAM) Field practices	3	Catalan	first semester	morning-mixed
(PCAMs) Suport a les pràctiques de camp dirigides	3	Catalan	first semester	morning-mixed
(SEM) Seminars	4	Catalan	first semester	morning-mixed
(PCAM) Field practices	4	Catalan	first semester	morning-mixed
(PCAMs) Suport a les pràctiques de camp dirigides	4	Catalan	first semester	morning-mixed