

Regional and Environmental Laboratory: Project

Code: 104255
ECTS Credits: 6

Degree	Type	Year	Semester
2503710 Geography, Environmental Management and Spatial Planning	OB	3	2

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

Name: Jordi Nadal Tersa
Email: Jordi.Nadal@uab.cat

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

This subject is based on the realization of a territorial and environmental project for which it is necessary to have previous knowledge acquired in the subjects of the degree studied previously. Therefore, it is necessary to have passed all the subjects of first and second year and is special Territorial and Environmental Laboratory: Diagnosis.

It is very important that the student checks the schedule of the subject before enrolling. Attendance at theoretical sessions, workshops, seminars and field trips is mandatory and therefore incompatible with other subjects taught at the same time.

Objectives and Contextualisation

This compulsory third-year subject is part of Subject 19 of the degree: Territorial and Environmental Laboratories, together with the second-year subject. As reflected in the Degree Report, it is integrated with the subjects:

- Planning, planning and evaluation
- Biodiversity and habitats
- Spatial analysis and models
- Dynamics of water, energy and natural resources
- Demographic analysis
- Representation techniques and territorial design

Its main objective is to provide the knowledge, methods and techniques necessary for the elaboration of the propositional and project part of the planning instruments: establishment of planning criteria, definition of objectives, analysis of strengths and weaknesses, formulation of proposals, elaboration of projects, identification of the actors, means and instruments necessary to apply them, writing and presentation of the final planning documents.

Competences

- Apply methods and techniques of quantitative, qualitative and field work analysis in the interpretation of territorial and environmental processes.
- Draw up action and intervention plans in the territory which respond to sociodemographic and environmental problems.
- Explain and represent territorial processes using statistical techniques, and graphic, cartographic and geographical information representations.
- Generate innovative and competitive proposals in professional activity.
- Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
- Students must develop the necessary learning skills to undertake further training with a high degree of autonomy.
- Work cooperatively in multidisciplinary teams.

Learning Outcomes

1. Define the main regional problems in a case study.
2. Generate innovative and competitive proposals in professional activity.
3. Produce a proposal for regional action and/or management in a case study.
4. Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
5. Students must develop the necessary learning skills to undertake further training with a high degree of autonomy.
6. Use statistical data and instruments to describe the geographical situation in a case study.
7. Use techniques of quantitative and qualitative analysis.
8. Work cooperatively in multidisciplinary teams.

Content

1. Introduction: the Diagnosis and the elaboration of projects in the context of the territorial and environmental planning
2. Territorial projects: Diversity of objectives and models
3. Methodology for the elaboration of territorial and environmental projects
4. Introduction to the case study: the Maresme
 - a) Theoretical sessions
 - b) Initial fieldwork
5. Group work: Assignment of work areas to each group, and development of projects.
 - a) Methodological support sessions
 - b) Self-employment
6. Preparation and presentation of results
 - a) Document: Territorial project
 - b) Oral presentations
 - c) Posters

Methodology

The course is based on the elaboration of a Territorial and Environmental Diagnosis project on a specific aspect of the study and to achieve this objective we start from the materials and methods taught in Territorial and Environmental Laboratory: methodology. The first sessions of the course will be dedicated to the methodology of elaboration of SWOTs and projects, to the presentation of thematic of study, the obtaining of data and the work of field. The tasks of the subject will be based on group work, which includes theoretical sessions, workshops, tutorials and field trips.

The dynamics of work, based on workshops and tutorials require the presence of students both in the classroom and in the field, so attendance at the time slots assigned to the subject is mandatory. Therefore, it is the responsibility of students to check that this subject does not overlap with any other can enroll in second or fourth year.

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			
Joint fieldwork	8	0.32	3, 4, 6
Laboratory practices	9	0.36	1, 7
Lectures on methodology and the study case	17	0.68	3, 4, 6
classroom practices	6	0.24	1, 8, 7
Type: Supervised			
Guidance for results presentation	12	0.48	1, 3, 6
Orientation sessions to develop projects	13	0.52	1, 3, 5, 6
Type: Autonomous			
Delivering results	15	0.6	1, 3, 5, 4, 6
Information search: documentation, cartography, data and fieldwork	10	0.4	1, 3, 5, 6
Project analysis and experience	20	0.8	1, 3, 5, 4, 6
Theoretical and methodological readings	5	0.2	5, 4

Assessment

To be evaluated by each of the parties, you must have attended the field trips, taken the exam and presented the project. Recoverable activities are the project, field report and examination, but by their nature, attendance at field trips and oral presentations will not be eligible.

If none of the assignments is delivered, the subject will not be evaluated and the grade in the minutes will be non-evaluable.

In the event that the student commits any irregularity that could lead to a significant variation in the grade of an assessment act, this assessment act will be graded with 0, regardless of the disciplinary process that may be instructed. In the event of several irregularities in the assessment acts of the same subject, the final grade for this subject will be 0

In the event that the tests cannot be carried out in person, their format will be adapted (maintaining their weighting) to the possibilities offered by the UAB's virtual tools. Homework, activities and class participation will be done through forums, wikis and / or exercise discussions through Teams, etc. The teacher will ensure that the student can access it or offer alternative means, which are available to them.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Exam on contents taught in the theoretical sessions	30%	2	0.08	2, 3, 5, 4, 6
Field report	10%	8	0.32	2, 4, 8
Project	40%	20	0.8	3, 4, 8, 7
Public presentation of the project	20%	5	0.2	1

Bibliography

Generalitat de Catalunya (2004?). *Planejament territorial. Criteris*. Barcelona, Departament de Política Territorial i Obres Públiques.

http://territori.gencat.cat/web/.content/home/06_territori_i_urbanisme/01_ordenacio_del_territori/20_plans_territori

Generalitat de Catalunya (2009). *Memòria ambiental (Document orientatiu per a la redacció de la memòria ambiental en el marc de l'avaluació ambiental de Plans d'Ordenació Urbanística municipal)*. Barcelona, Departament de Medi Ambient i Habitatge.

http://territori.gencat.cat/web/.content/home/01_departament/documentacio/documentacio/medi_ambient_i_soste

Ruiz, Rafael (dir) (2012). *La diagnosi del territori com a suport a les decisions estratègiques*. Guies metodològiques per a la planificació estratègica, 3, Barcelona, Diputació de Barcelona.

<https://www1.diba.cat/liblioteca/pdf/51168.pdf>

Nel·lo, Oriol (2012). *Ordenar el territori. La experiència de Barcelona y Cataluña*. Valencia, Tirant lo Blanch.

Software

Head of special beyond what is used in the subjects of Representation Techniques, Spatial Analysis and Modules and GIS