

Biogeography

Code: 101617
ECTS Credits: 6

Degree	Type	Year	Semester
2501002 Geography and Spatial Planning	OB	3	2

Contact

Name: Albert Pèlachs Mañosa
Email: Albert.Pelachs@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

Teachers

Roser Maneja Zaragoza

Prerequisites

The knowledge learnt in the subjects of Geografia Física are taken for granted, and will not be explained again.

Objectives and Contextualisation

This course introduces students to some of the concepts of Biogeography and Ecology.

The main objectives:

- Identify, describe, explain, classify and determine the main plant species of Catalonia landscapes.
- Analyze and interpret a landscape paying special attention to its dynamics and the different living beings that compose it.

Competences

- Acting and intervening in the territory and its management, displaying the practical and experimental nature of geographical formations.
- Analysing and explaining today's world events from a geographical point of view.
- Analysing and interpreting landscapes.
- Applying fieldwork methods and techniques in order to acquire a direct knowledge of the territory.
- Developing critical thinking and reasoning and communicating them effectively both in your own and other languages.
- Students must be capable of applying their knowledge to their work or vocation in a professional way and they should have building arguments and problem resolution skills within their area of study.
- 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 in order to undertake further training with a high degree of autonomy.

Learning Outcomes

1. Analysing the main dynamics of today's world from a geographical point of view.
2. Applying the knowledge of geology, topography and climate in order to plan a territory.
3. Carrying out oral presentations using an appropriate academic vocabulary and style.
4. Combining fieldwork methods and techniques in order to acquire a direct knowledge of the physical and human interrelationships taking place in the territory.
5. Defining the landscapes in relation to climate, waters, biogeography and geomorphology.
6. Describing today's world events in relation to the climate, water, biogeography and geomorphology.
7. Effectively communicating and applying the argumentative and textual processes to formal and scientific texts.
8. Identifying the ideas and expressing them in various languages with linguistic correctness.
9. Producing an individual work that specifies the work plan and timing of activities.
10. Solving problems autonomously.
11. Summarising acquired knowledge about the origin and transformations experienced in its several fields of study.

Content

Unit 1.- What is Biogeography?

Unit 2.- Ecological Biogeography

- Patterns of Distribution

- Communities and Ecosystems

- Patterns of Biodiversity

Unit 3.- Historical Biogeography

Unit 4.- Phytogeography

Unit 5.- Field work

- Garraf

- Montseny

In this subject, gender perspective will be taken into account in the following aspects:

- Not allowing a sexist use of language in the students' oral and written contributions.
- Writing, in the references, the full names of authors, instead of only the initial.

Methodology

Activities

- Oral presentations during field work
- Debat and analytical analysis

Practices are developed in groups (maximum 3 students group)

- Virtual Herbarium of field work

a) Massís del Garraf

b) Montseny

- In-class assignments

a) Case resolution (<http://wiki.uab.cat/>).

b) Research of biogeographical information at internet

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Theory class	50	2	2, 4, 5, 6
Type: Supervised			
In-class exercises and field work	25	1	1, 5, 6, 9, 7, 3, 8, 10, 11
Type: Autonomous			
Supervised activities	67.5	2.7	1, 5, 9, 7, 3, 8, 10, 11

Assessment

Assesment

The final grade will be calculated as follows:

Theory (25%)

- Midterm exam 1: 5%
- Midterm exam 2: 5%
- Final exam: 15% (minimum 5 to make average)

Practices (75%)

- Cases 4 : $4 \times 10\% = 40\%$
- Virtual Herbarium: 15%
- Montseny transect: 10%
- Final practic exam: 10% (minimum 5 to make average)

Please note:

1) The two exams and filed work are obligatory, as well as having completed 80% of homework and class exercises.

2) The minimum grade on assignments and exams to form average is 5.

3) The delivery of 50% of the assessment items (assignments / exercises / exams) excludes the possibility of obtaining the status of *No avaluable* as a final course grade.

4) VERY IMPORTANT: Total or partial plagiary of any of the exercises will automatically be considered "fail" (0) for the plagiarized item. Plagiary is copying one or more sentences from unidentified sources, presenting it as original work (THIS INCLUDES COPYING PHRASES OR FRAGMENTS FROM THE INTERNET AND ADDING THEM WITHOUT MODIFICATION TO A TEXT WHICH IS PRESENTED AS ORIGINAL). Plagiarism

is a serious offense. Students must learn to respect the intellectual property of others, identifying any source they may use, and take responsibility for the originality and authenticity of the texts they produce.

5) The student of Grau has the right to a re-evaluation of the exams.

Procedure for Reviewing Grades Awarded

On carrying out each evaluation activity, lecturers will inform students (on Moodle) of the procedures to be followed for reviewing all grades awarded, and the date on which such a review will take place.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Exercises (Study cases)	40%	2	0.08	1, 6, 9, 7, 8, 10, 11
Final exam (theory)	15%	1.5	0.06	1, 2, 5, 6, 9, 7, 3, 8, 10, 11
Final practic exam, virtual herbarium and transect	35%	2	0.08	4, 6, 9, 7, 8, 10, 11
Midterm exam 1 (theory)	5%	1	0.04	1, 2, 9, 7, 3, 8, 10, 11
Midterm exam 2 (theory)	5%	1	0.04	1, 2, 9, 7, 3, 10, 11

Bibliography

References

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