

28310 - Biogeography

Syllabus Information

Academic Year: 2019/20

Subject: 28310 - Biogeography

Faculty / School: 103 - Facultad de Filosofía y Letras

Degree: 419 - Degree in Geography and Land Management

ECTS: 6.0

Year: 2

Semester: First semester

Subject Type: Compulsory

Module: ---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

I Call

(a) Continuous evaluation system

-Preparation and on-time delivery of the practical work of topics 1 to 6 made individually and/or in small Group. (75% of the final grade).

Written test: realization of a written individual questionnaire of the conceptual part of the six items on the agenda, where proven understanding of the fundamental concepts and the ability to relate them and extract conclusions. (25% of the final grade).

Criteria of evaluation: evaluation according both to the development and structuring of content, as to the presentation formal and public exposure in your case. Consideration of active participation in the activities academic classroom, laboratory, and field.

The application of the continuous evaluation will be considered in the case of no more than 25 students tuition.

b) Global assessment test

-Delivery of the works of bibliographic sources - theme 1 - and mapping biogeographic - items 5 and 6 - (41% of the final grade).

Written test: realization of a written individual questionnaire of the conceptual part of the six items on the agenda, where proven understanding of the fundamental concepts and the ability to relate them and extract conclusions. (59% of the final grade)

Evaluation criteria. Correction of the proposed evaluation tests, both attending the development and content structuring, as to the formal presentation of the same.

II Call

Global assessment test

-Delivery of the works of bibliographic sources - theme 1 - and mapping biogeographic - items 5 and 6 - (41% of the final

grade).

Written test: realization of a written individual questionnaire of the conceptual part of the six items on the agenda, where proven understanding of the fundamental concepts and the ability to relate them and extract conclusions. (59% of the final grade)

Evaluation criteria. Correction of the proposed evaluation tests, both attending the development and content structuring, as to the formal presentation of the same.

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The methodology followed in this course is oriented towards achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions, computer lab sessions, field work and trips.

4.2. Learning tasks

The course includes the following learning tasks:

- Lectures (20 hours). Theory sessions are participative and focused on problem-solving tasks. Attendance is required.
- Practical tasks (10 hours). Elaboration of cartography (vegetation and biogeographical cartography), digital photo-interpretation (with computers and specific software), laboratory work (including taxonomy and use of dichotomous keys) and an individual assignment related to the Biogeographic regions and world biomas seminar.
- Laboratory sessions (25 hours). Photo-interpretation, thematic cartography, taxonomy, plant identification and use of dichotomous keys.
- Field work (8 hours). Students will learn to identify and interpret the vegetation communities and their relationship with the environment.
- Individual and group work (21 hours).
- Autonomous work and study (75 hours).
- Tests (4 hours).

4.3. Syllabus

The course will address the following topics:

1. Biogeography introduction. Basic concepts: ecology, biology, bioclimatology
2. Processes and factors affecting the living beings (geographic or biologic factors, dynamics)
3. Living beings distribution
4. World biomas and biogeographic regions
5. Biogeography cartography methods. Introduction to thematic cartography (photo-interpretation and remote sensing)
6. Living beings discrimination methods. Introduction to vertebrate and invertebrate census

4.4. Course planning and calendar

Provisional course planning

- The course is organized in one large group of students (lectures) and two smaller groups (practice sessions).
- The supervised assignments will be organized individually and in groups during the teacher's tutoring hours in the classroom or in the teacher office.
- The field work will be organized in groups, and it will take place in December or the beginning of January.
- The laboratory work will be held in Faculty of Arts, during class time and in at least two groups of 20 students maximum.
- The test will be held at the end of the course.

Assessment dates

- Deadline for individual and group work: the day of the seminar.
- Deadline for vegetation map: date of test.
- Deadline for laboratory work: last day of lab sessions.
- The final test will be held in the classroom and during the dates assigned by the Faculty.

4.5. Bibliography and recommended resources

The bibliography can be accessed through the library webpage <http://psfunizar7.unizar.es/br13/eBuscar.php?tipo=a>