

Syllabus Information

Academic year: 2023/24

Subject: 25267 -

Faculty / School: 201 - Escuela Politécnica Superior

Degree: 571 - Degree in Environmental Sciences

ECTS: 5.0

Year:

Semester: Second Four-month period

Subject type: Optional

Module:

1. General information

The aim of this subject is to provide the knowledge, skills, attitudes and fields of application for the student to acquire the basic foundations of biogeography and geobotany required for the studies and professionals of Environmental Sciences.

These approaches and objectives are aligned with the Sustainable Development Goals (SDGs) of the 2030 Agenda of the United Nations (<https://www.un.org/sustainabledevelopment/es/>), specifically, the learning activities planned in this subject will contribute to the achievement of Objective 4.7 of Goal 4, Objective 5.5 of Goal 5, Objective 13.3 of Goal 13 and Objective 15.4 of Goal 15.

2. Learning results

1. Understand the processes of evolution and speciation and their relationship to phylogeny and taxonomy
- 2 Deepen the knowledge and use of botanical systematics and the world, Iberian and regional flora
- 3 Understand the origin, processes and characteristics of the territorial distribution of taxa and chorological typology
- 4 Understand and use Phytochemistry and phytochemical classifications
- 5 Understand and use the most relevant phytocenoses at the global, Iberian and regional scales
- 6 Understand and use biogeography and phytochemistry in the application of legislation and in the management of phytocenoses, allochthonous, threatened and protected flora
- 7 Be aware of the level of their knowledge in relation to Botanical science and of the necessary means to progress in their knowledge of Botany
- 8 Be aware of the relationship between botanical knowledge and the different fields of application in the environmental sciences
- 9 Develop botanical work in the field and in the laboratory
- 10 Work with existing botanical documentation
- 11 Be able to define the objectives and methodologies of applied botanical work or research. Likewise, be able to present and support such work in public

3. Syllabus

Program theory

1. Systematic botany
2. Chorology
3. Naturalness of the flora
4. Legislation and documentation on protected or endangered plants and phytocenoses
5. Phytocenology

Practical Program

Works on:

1. Systematic botany
2. Chorology
3. Naturalness of the flora
4. Legislation and documentation on protected or endangered plants and phytocenoses
5. Phytocenology

4. Academic activities

Master classes: 14 hours

Sessions in which the contents of the subject are explained.

Classroom practice of problems: 5 hours

Explanation and assignment of the work developed by each student.

Practical classroom work: 23 hours

Resolution of the work developed by each student.

Field practices: 8 hours

5. Assessment system

The evaluation will be carried out by means of a global test at each official call to be set by the PS. The overall test is broken down into the following sections:

Theoretical section.

1. Written tests on the contents of the subject. The contents group knowledge acquired in a complementary way through the face-to-face classes and the work done by the students under the supervision of the teacher . Proportion of the final grade: 60%.

Practical section.

2. Evaluation of the work assigned to the students. Proportion of the final grade: 40%.

Assessment criteria: The evaluation criteria will address the following components: understanding and application of concepts, ability to relate concepts to solve specific cases, accuracy of answers and quality of presentation.

Calculation of the Final Grade, CF:

CF = 60% theoretical part + 40% practical part. In order to pass the subject, each of the theoretical and practical tests must be graded with a grade equal to or higher than 5. In the event that one test is passed (grade ≥ 5) and another is failed (grade < 5), the final grade for the subject will be the lowest of the grades obtained in the two tests.

The success rate for the last three years is 100%.