Universidad Zaragoza

Year : 2019/20

28636 - Gardening and Landscaping

Syllabus Information

Academic Year: 2019/20
Subject: 28636 - Gardening and Landscaping
Faculty / School: 175 - Escuela Universitaria Politécnica de La Almunia
Degree: 422 - Bachelor's Degree in Building Engineering
ECTS: 5.0
Year: 3
Semester: Second semester
Subject Type: ---
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)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as theory sessions, practice sessions, workshops, tutorials, and autonomous work and study.

A strong interaction between the teacher/student is promoted. This interaction is brought into being through a division of work and responsibilities between the students and the teacher. Nevertheless, it must be taken into account that, to a certain degree, students can set their learning pace based on their own needs and availability, following the guidelines set by the teacher.

4.2.Learning tasks

This course is organized as follows:

- **Theory sessions**: The theoretical concepts of the course are explained and illustrative examples are developed as support to the theory when necessary.
- **Practice sessions**: Problems and practical cases are carried out, complementary to the theoretical concepts studied.
- **Workshops**: This work is tutored by a teacher, in groups of no more than 20 students.
- **Individual tutorials**: Those carried out giving individual, personalized attention with a teacher from the department. Said tutorials may be in person or online.

- **Autonomous work and study.**
    - Study and understanding of the theory taught in the lectures.
    - Understanding and assimilation of the problems and practical cases solved in the practical classes.
    - Preparation of seminars, solutions to proposed problems, etc.
    - Preparation of laboratory workshops, preparation of summaries and reports.
    - Preparation of the written tests for continuous assessment and final exams.

4.3.Syllabus

This course will address the following topics:

Topic 1. Garden concept and its evolution over time.

Historical evolution
The gardens of antiquity
Arab gardens
Monastic gardens
Renaissance gardening
French rationalism
English landscaping
Gardening S. XIX and XX
Gardening S. XXI

Topic 2. Types of green spaces and gardens. styles

Types of spaces for location and dimensions
Gardening styles
sustainable gardening
xeriscaping

Topic 3. Garden elements

Conifers
hardwoods
Deciduous shrubs
Evergreen shrubs
Perennials
Flowering plants

Topic 4. Facilities, infrastructure and non-plant elements.

Irrigation facilities
Electrical installation
Roads, paths and walkways
Non Veg items

Topic 5. Project design and green areas and gardens

Design bases
External conditions
Design theories
Design Development
The garden project or green area

Topic 6. Landscape. law, definition, types and landscaping techniques

Definition
Legal system
Types of landscape and its characterization
Assessment techniques, planning and landscape assessment

Topic 7. Management and landscape management

Techniques on the landscape description and classification.
Evaluation systems landscape
Technologies to mitigate the impact on the landscape.

4.4.Course planning and calendar

This course has 6 ECTS credits, which represents 150 hours of student work in the subject during the trimester, in other words, 10 hours per week for 15 weeks of class. This includes 3 weekly hours of lectures, 1weekly hour of workshops and 6 weekly hours of other activities.

Nevertheless, the previous table can be shown in greater detail, taking into account the following overall distribution:

- 40 hours of lectures, with 50% theoretical demonstration and 50% solving type problems.
- 10 hours of laboratory workshop, in 1 or 2-hour sessions.
- 6 hours of written assessment tests, one hour per test.

- 4 hours of PPT presentations.
- 90 hours of personal study, divided up over the 15 weeks of the 2nd semester.

There is a tutorial calendar timetable set by the teacher that can be requested by the students who want a tutorial.

The planning orientation is shown below:

- **Week 1 and 2**: Topic 1.
- **Week 2**: Topic 2.
- **Week 4, 5 and 6**: Topic 3.
- **Week 7 and 8**: Topic 4.
- **Week 9 and 10**: Topic 5.
- **Week 11 and 12**: Topic 6.
- **Week 13**: Topic 7.
- **Week 14**: Topic 7.
- **Week 15**: Topic 8.

MATERIAL RESOURCES

Material	Format
Topic theory notes Topic problems	Paper/repository
Topic theory notes Topic presentations Topic problems Related links	Digital/Moodle E-Mail
Educational software	Web page

Further information concerning the timetable (https://eupla.unizar.es/asuntos-academicos/calendario-y-horarios), classroom, office hours, assessment dates (https://eupla.unizar.es/asuntos-academicos/examenes) and other details regarding this course will be provided on the first day of class or please refer to the Faculty of EUPLA website and Moodle.

4.5.Bibliography and recommended resources