

28949 - Gardening and landscaping

Syllabus Information

Academic Year: 2020/21

Subject: 28949 - Gardening and landscaping

Faculty / School: 201 - Escuela Politécnica Superior

Degree: 583 - Degree in Rural and Agri-Food Engineering
437 - Degree in Rural and Agri-Food Engineering

ECTS: 6.0

Year: 4

Semester: First semester

Subject Type: 583 - Optional

437 - 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)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

This course develops knowledge of gardening and landscape with special emphasis placed on (1) garden concept and historical evolution, and (2) garden design and technical management, using the following methodology:

- Lecture.
- Laboratory Sessions.
- Tutoring sessions.
- Field visits.

4.2.Learning tasks

The course includes the following learning tasks:

- Lectures,
- Practical sessions,
- Written coursework, and
- Formal examinations related to gardening and landscape.

4.3.Syllabus

The course will address the following topics:

Theory Program

Topic I: History of gardening

- Ancient gardens, Islam and the Middle Ages. Specific gardens: Botanical gardens
- Renaissance and Baroque Gardens
- From English landscapes to the Japanese garden
- Contemporary trends in garden design

Topic II: Gardening techniques and vegetation

- Composition and design: Vegetation and ornamental features
- Spanish gardening according to climate
- Urban landscapes and green spaces

Topic III: Gardening design and projects

- The Project in Gardening and Landscapes
- Creation of graphic documents in Gardening
- Construction management in Gardening and Landscapes

Topic IV: Setting up and maintaining green spaces.

- Techniques for setting up gardens
- Conservation and maintenance of gardens
- Gardening tools and equipment
- Set up, infrastructures and non-vegetation elements of the garden
- Work Placement Program
- Delivery of documentation and work proposal/class project
- Presentation of the draft project: first decisions and solutions
- Presentation and oral defense of the project
- Maintenance and management of green spaces
- Maintenance and management of sports areas
- The gardening business
- Tools and techniques for maintaining gardens
- Iberflora Visit

4.4.Course planning and calendar

Lectures and practice according to EPSH scheduling

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Lectures	I	I	I	II	II	II	II	III	III	III	III	IV	IV	IV	IV
Hours	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Practice															
Hours		2				2	2	2	2	2	2		2	2	2
Technical visits															
Hours	4			2	2							2			
Studying time	4	4	8	5	5	5	8	5	5	5	5	4	5	10	12

4.5.Bibliography and recommended resources

- BB** Cañizo Perate, José Antonio del. El jardín : arte y técnica / José Antonio del Cañizo . 6ª ed. ampl., y act. Madrid : Mundi-Prensa, 2006

- BB** Fariello, Francesco. La arquitectura de los jardines : de la Antigüedad al siglo XX / Francesco Fariello ; traducción y edición Jorge Sainz ; prólogo y epílogo Miguel Angel Aníbarro . Ed. corr. ; reimpr. Barcelona : Reverté, 2004 (reimp.2008)
- BB** Gil-Albert Velarde, Fernando. Manual técnico de jardinería. 1, Establecimiento de jardines, parques y espacios verdes / Fernando Gil-Albert Velarde. 2a. ed. rev. y aum. Madrid : Mundi-Prensa, 2006
- BB** Gil-Albert Velarde, Fernando. Manual técnico de jardinería. 2, Mantenimiento / Fernando Gil-Albert Velarde Madrid (etc.) : Mundi-Prensa, 2005
- BB** Gildemeister, Heidi. Jardinería en clima mediterráneo : 20 propuestas que ahorran agua / Heidi Gildemeister. Madrid [etc.] : Mundi-Prensa, 2006
- BB** Jardines botánicos de España y Portugal / Asociación Ibero-Macaronésica de Jardines Botánicos. Madrid : Universidad de Alcalá, Servicio de Publicaciones, 2007 [Comentario del profesor: Libro electrónico]
- BB** Muncharaz Pou, Manuel. Proyecto y diseño de áreas verdes / Manuel Muncharaz Pou . Madrid : Mundi-Prensa, D.L. 2013
- BB** Rubió i Tudurí, N. Maria. El jardín meridional : estudio de su trazado y plantación : ilustrado con 106 grabados y 85 láminas / Nicolás María Rubió y Tudurí . 1ª ed. Barcelona : Tusquets, 2006
- BC** Noguera Savelli, E., Viccon Esquivel, J. Los jardines botánicos y sus retos en la conservación. México: Ediciones y Gráficos Eón, 2017 [Comentario del profesor: libro electrónico]
- BC** Ros Orta, Serafín. La empresa de jardinería y paisajismo : conservación de espacios verdes / Serafín Ros Orta . Madrid [etc.] : Mundi-Prensa, 1996
- BC** Staffler, Martín. Cómo construir un jardín vertical: ideas para pequeños jardines, balcones y terrazas. Barcelona: Gustavo Gili, 2017 [Comentario del profesor: libro electrónico]
- BC** Tito Rojo, José. El jardín hispanomusulmán : los jardines de al-Andalus y su herencia / José Tito Rijo y Manuel Casares Porcel ; colaboración de Esther Cruces Blanco ... [et al.]. Granada : Universidad de Granada, 2011 [Comentario del profesor: libro electrónico]
- BC** Varios autores (2004). Coníferas ornamentales. Madrid: Mundi-Prensa

LISTADO DE URLs:

Webster, E., Camaron, R., Culham, A. (2017). Gardening in a Changing Climate. London: Royal Horticultural Society

[<https://www.rhs.org.uk/science/pdf/RHS-Gardening-in-a-Changing-Climate-Report.pdf>]

The updated recommended bibliography can be consulted in:

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=28949>