

Syllabus

Subject

Subject / Group	22487 - Horticultural Crops II / 8
Degree	Degree in Food and Agriculture Engineering and the Rural Environment - Third year
Credits	6
Period	2nd semester
Language of instruction	English

Professors

Lecturers	Office hours for students					
	Starting time	Finishing time	Day	Start date	End date	Office / Building
Joan Rosselló Veny	18:30	19:30	Monday	09/09/2019	31/07/2020	Despatx

Responsible
joan.rossello-veny@uib.es

Context

In this subject we study the basic principles of the production of the most important horticultural and ornamental plants of the Balearic Islands

Requirements

Recommended

To facilitate the study and understanding of the subject, it is advisable to have knowledge of Plant Production, Soil Fertility, Protected Crops Technology, Bases of Crop Protection

Skills

Specific

- * H2 Bases and technology of the propagation and horticultural, frutícola and ornamental production. Quality control of horticultural products. Commercialization.
- * H4 Engineering of green areas and horticultural farms
- * H5.1 Electrification. Irrigation and drainage. Machinery for horticulture.

Generic

- * C1 Identification and characterization of plant species.



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- * C8 The management and use of agroindustrial by-products.
- * C9 Decision-making through the use of resources available for work in multidisciplinary groups.
- * C10 Transfer technology, understand, interpret, communicate and adopt the advances in the agricultural field.

Basic

- * You may consult the basic competencies students will have to achieve by the end of the degree at the following address: <http://www.uib.eu/study/grau/Basic-Competences-In-Bachelors-Degree-Studies/>

Content

The following activities will be developed

Range of topics

1. Current status of the sector in Balearic Islands
2. Extension on the main horticultural and ornamental crops of the Balearic Islands
3. Main systems of quality certification in crops
4. Application to specific practical cases

Teaching methodology

In-class work activities (2.4 credits, 60 hours)

Modality	Name	Typ. Grp.	Description	Hours
Theory classes		Large group (G)	Teaching master classes to provide students with Theoretical knowledge of the subject (T2, C1, C8, C10, H2, H5.1).	35
Seminars and workshops		Medium group 2 (X)	The aim of these sessions is to solve practical problems , making use of the basic knowledge given in the theoretical classes (T2, C8, C10).	15
Practical classes		Medium group 2 (X)	Visits to companies and farms in the sector. Recognition of plants, pests and diseases (T2, T3, H2, H5.1).	10

At the beginning of the semester a schedule of the subject will be made available to students through the UIBdigital platform. The schedule shall at least include the dates when the continuing assessment tests will be conducted and the hand-in dates for the assignments. In addition, the lecturer shall inform students as to whether the subject work plan will be carried out through the schedule or through another way included in the Aula Digital platform.

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Distance education tasks (3.6 credits, 90 hours)

Modality	Name	Description	Hours
Group or individual self-study		The students will work themselves in solving practical problems in order to better understand the theoretical explanations (T2, C1, C8, C10, H2, H5.1).	50
Group or individual self-study		Preparation of the exercise during the course. Preparation of exposure (T2, T3, C1, C8, C9, C10).	40

Specific risks and protective measures

The learning activities of this course do not entail specific health or safety risks for the students and therefore no special protective measures are needed.

Student learning assessment

Frau en elements d'avaluació

In accordance with article 33 of Regulation of academic studies, "regardless of the disciplinary procedure that may be followed against the offending student, the demonstrably fraudulent performance of any of the evaluation elements included in the teaching guides of the subjects will lead, at the discretion of the teacher, a undervaluation in the qualification that may involve the qualification of "suspense 0" in the annual evaluation of the subject".

Theory classes

Modality	Theory classes
Technique	Oral tests (recoverable)
Description	Teaching master classes to provide students with Theoretical knowledge of the subject (T2, C1, C8, C10, H2, H5.1).
Assessment criteria	Partial tests of theory during the course will be done which will eliminate subject matter and a final test. If done Partial tests, a minimum of 4.0 out of 10 must be obtained to be able to average. If the average is not approved (5.0) the final exam has to be done. The partial note is not saved.

Final grade percentage: 40%with a minimum grade of 5

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Seminars and workshops

Modality	Seminars and workshops
Technique	Papers and projects (recoverable)
Description	The aim of these sessions is to solve practical problems, making use of the basic knowledge given in the theoretical classes (T2, C8, C10).
Assessment criteria	Oral presentation of the exercise

Final grade percentage: 15%with a minimum grade of 5

Practical classes

Modality	Practical classes
Technique	Papers and projects (recoverable)
Description	Visits to companies and farms in the sector. Recognition of plants, pests and diseases (T2, T3, H2, H5.1).
Assessment criteria	Written presentation of the results of the practices. Only in case of having to take the theoretical exam to July, this part can be recovered or presented again.

Final grade percentage: 15%with a minimum grade of 5

Group or individual self-study

Modality	Group or individual self-study
Technique	Papers and projects (recoverable)
Description	The students will work themselves in solving practical problems in order to better understand the theoretical explanations (T2, C1, C8, C10, H2, H5.1).
Assessment criteria	Delivery of work done during the course.

Final grade percentage: 20%with a minimum grade of 5

Group or individual self-study

Modality	Group or individual self-study
Technique	Papers and projects (recoverable)
Description	Preparation of the exercise during the course. Preparation of exposure (T2, T3, C1, C8, C9, C10).
Assessment criteria	Delivery of work done during the course.

Final grade percentage: 10%with a minimum grade of 5

Resources, bibliography and additional documentation

Basic bibliography

Maroto, J. V., Vicent, J. 2002. Horticultura herbácea especial. 5a ed. Ed. Mundi-Prensa. Madrid. Alonso, F. 2002.

El cultivo de la patata. Editorial:Mundi-Prensa. Madrid.
<http://www.globalgap.org/es>





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Complementary bibliography

<http://www.fao.org/faostat/en/#home>

<https://www2.ipm.ucanr.edu/agriculture/>

<https://www.apsnet.org/Pages/default.aspx>

<https://www.food.gov.uk/business-guidance/hazard-analysis-and-critical-control-point-haccp#.UUBRNo7eP0c>

