

28926 - Herbaceous crops

Información del Plan Docente

Academic Year	2017/18
Faculty / School	201 - Escuela Politécnica Superior
Degree	437 - Degree in Rural and Agri-Food Engineering
ECTS	6.0
Year	3
Semester	Second semester
Subject Type	Compulsory
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

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

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

Theoretical lessons in classroom.

Practical sessions in lab and greenhouse.

Tutorial sessions.

Field visits.

5.2.Learning tasks

Theoretical program

Module I - General aspects of herbaceous crop systems

I.1 Introduction and statistical data

I.2. Cereals - morphology

I.3 Farming techniques in herbaceous crops

I.4 Fertilization in herbaceous crops

I.5 Use of certified seed

I.6 Main pests in herbaceous crops

I.7 Quality indexes in cereals

Module II - Specific aspects of each crop (15 class hours)

II.8 Cereals - soft and durum wheat

II.9 Cereals - barley

II.10 Some other winter cereals - oats, rye and triticale

II.11 Cereals - maize

II.12 Cereals - rice

II 13 Cereals - sorghum

II. 14 Grain legumes

II.15 Fodder legumes - alfalfa

II.16 Fodder grasses

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II.17 Sunflower

II.18 Oilseed rape

Content of practical sessions

Module I - General aspects of herbaceous crop systems. Theoretical and practical lessons

Module II - Specific aspects of each crop. Theoretical and practical lessons. Field visit

5.3.Syllabus

Theoretical program

Module I - General aspects of herbaceous crop systems

I.1 Introduction and statistical data

I.2. Cereals - morphology

I.3 Farming techniques in herbaceous crops

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Content of practical sessions

Module I - General aspects of herbaceous crop systems

I.2. Cereals - morphology

I.4 Fertilization in herbaceous crops

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Module II - Specific aspects of each crop

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II.17 Sunflower

II.18 Oilseed rape

Field visits

5.4.Course planning and calendar

week	1	2	3	4	5	6	7	SS	8	9	10	11	12	13	14	15
Theoretical sessions	I.1	I.2	I.2	I.3	I.4	I.5 y I.6	I.6 y I.7		II.8	II.9 y II.10	II.11 y II.13	II.12 y II.13	II.14	II.15	II.15 y II.16	II.17 y II.18
Hous	2	2	2	2	2	2	2		2	2	2	2	2	2	2	2
Practical sessions	II.9 y II.10	II.14	II.15 y II.16	I.4 y I.5												
Hous	2	2	2	2					2	2	2	2	2			
Field visit						Salda 1								Salda 2		
Hous	5					5								5		
Evaluation															1	2
Personal work	5	5	5	5	5	4	5	8	5	5	5	5	5	5	7	8

5.5.Bibliography and recommended resources

BB

Guerrero García, Andrés. Cultivos herbáceos extensivos / Andrés Guerrero

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Mundi-Prensa, 1999
- BB** López Bellido, Luis. Cultivos herbáceos.
Vol. I, Cereales / Luis López Bellido.
Madrid : Mundi-Prensa, 1991
- BB** López Bellido, Luis. Cultivos industriales /
Luis López Bellido . Madrid [etc.] :
Mundi-Prensa, 2003
- BB** Molina Cano, José Luis. La cebada :
[morfología, fisiología, genética,
agronomía y usos industriales / José Luis
Molina Cano ; con la colaboración de Luis
F. García del Moral... [et al.] . Madrid :
Ministerio de Agricultura, Pesca y
Alimentación, Servicio de Extensión
Agraria : Mundi-Prensa, 1989
- BC** El cultivo de las leguminosas de grano en
Castilla y León / coordinadores, Fernando
Franco Jubete, Alvaro Ramos Monreal .
Valladolid : Consejería de Agricultura y
Ganadería, D.L.1996
- BC** Muslera Pardo, Enrique de. Praderas y
forrajes : producción y aprovechamiento /
E. de Muslera Pardo, C. Ratera García .
2a. ed. rev. y ampl. Madrid :
Mundi-Prensa, 1991

The updated recommended bibliography can be consulted in:
<http://psfunizar7.unizar.es/br13/egAsignaturas.php?id=8087>