



## 1. General information

Course: PHYSICS

Type: BASIC

Degree: 400 - UNDERGRADUATE DEGREE PROGRAMME IN OENOLOGY

Center: 107 - E.T.S. OF AGRICULTURAL ENGINEERS OF C. REAL

Year: 1

Main language: Spanish

Use of additional  
languages:

Web site:

Code: 58502

ECTS credits: 6

Academic year: 2022-23

Group(s): 20

Duration: First semester

Second language: English

English Friendly: Y

Bilingual: N

Lecturer: JOSE ANGEL DE TORO SANCHEZ - Group(s): 20

Building/Office	Department	Phone number	Email	Office hours
ETSI Agrónomos / 0.1	FÍSICA APLICADA	3790	joseangel.toro@uclm.es	

## 2. Pre-Requisites

Not established

## 3. Justification in the curriculum, relation to other subjects and to the profession

Not established

## 4. Degree competences achieved in this course

## Course competences

Code	Description
CB01	Prove that they have acquired and understood knowledge in a subject area that derives from general secondary education and is appropriate to a level based on advanced course books, and includes updated and cutting-edge aspects of their field of knowledge.
CB02	Apply their knowledge to their job or vocation in a professional manner and show that they have the competences to construct and justify arguments and solve problems within their subject area.
CB05	Have developed the necessary learning abilities to carry on studying autonomously
CE01	
CE08	
CG01	
CG04	Work autonomously with responsibility and initiative, as well as in teams in a collaborative way and with shared responsibility.
CT02	
CT03	Use correct oral and written communication.

## 5. Objectives or Learning Outcomes

## Course learning outcomes

Description

## 6. Units / Contents

Unit 1:

Unit 2:

Unit 3:

Unit 4:

## 7. Activities, Units/Modules and Methodology

Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Workshops or seminars [ON-SITE]	Problem solving and exercises	CB01 CB02 CB05 CE01 CE08 CG01 CG04 CT02 CT03	0.24	6	Y	N	
Writing of reports or projects [OFF-SITE]	Self-study	CB01 CB02 CB05 CE01 CE08 CG01 CG04 CT02 CT03	0.64	16	Y	N	
Class Attendance (theory) [ON-SITE]	Lectures	CB01 CB02 CB05 CE01 CE08 CG01 CG04 CT02 CT03	1.28	32	Y	N	
Group tutoring sessions [ON-SITE]	Group tutoring sessions	CB01 CB02 CB05 CE01 CE08 CG01 CG04 CT02 CT03	0.16	4	Y	N	

Class Attendance (practical) [ON-SITE]	Practical or hands-on activities	CB01 CB02 CB05 CE01 CE08 CG01 CG04 CT02 CT03	0.6	15	Y	Y
Study and Exam Preparation [OFF-SITE]	Combination of methods	CB01 CB02 CB05 CE01 CE08 CG01 CG04 CT02 CT03	2.96	74	N	-
Mid-term test [ON-SITE]	Assessment tests	CB01 CB02 CE01	0.12	3	Y	N
Total:			6	150		
Total credits of in-class work: 2.4			Total class time hours: 60			
Total credits of out of class work: 3.6			Total hours of out of class work: 90			

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System			
Evaluation System	Continuous assessment	Non-continuous evaluation*	Description
Mid-term tests	70.00%	0.00%	
Laboratory sessions	15.00%	0.00%	
Assessment of problem solving and/or case studies	15.00%	0.00%	
Final test	0.00%	100.00%	
<b>Total:</b>	<b>100.00%</b>	<b>100.00%</b>	

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject, an ordinary and an extraordinary one (evaluating 100% of the competences).

9. Assignments, course calendar and important dates	
Not related to the syllabus/contents	
<b>Hours</b>	<b>hours</b>
Group tutoring sessions [PRESENCIAL][Group tutoring sessions]	4
Workshops or seminars [PRESENCIAL][Problem solving and exercises]	6
Writing of reports or projects [AUTÓNOMA][Self-study]	16
Class Attendance (practical) [PRESENCIAL][Practical or hands-on activities]	15
Study and Exam Preparation [AUTÓNOMA][Combination of methods]	74
Mid-term test [PRESENCIAL][Assessment tests]	3
<b>Unit 1 (de 4):</b>	
<b>Activities</b>	<b>Hours</b>
Class Attendance (theory) [PRESENCIAL][Lectures]	6
Group 20:	
<b>Initial date:</b> 19-09-2022	<b>End date:</b> 28-09-2022
<b>Unit 2 (de 4):</b>	
<b>Activities</b>	<b>Hours</b>
Class Attendance (theory) [PRESENCIAL][Lectures]	10
Group 20:	
<b>Initial date:</b> 03-10-2022	<b>End date:</b> 31-10-2022
<b>Unit 3 (de 4):</b>	
<b>Activities</b>	<b>Hours</b>
Class Attendance (theory) [PRESENCIAL][Lectures]	10
Group 20:	
<b>Initial date:</b> 01-11-2022	<b>End date:</b> 30-11-2022
<b>Unit 4 (de 4):</b>	
<b>Activities</b>	<b>Hours</b>
Class Attendance (theory) [PRESENCIAL][Lectures]	6
Group 20:	
<b>Initial date:</b> 01-12-2022	<b>End date:</b> 20-12-2022
<b>Global activity</b>	
<b>Activities</b>	<b>hours</b>
Workshops or seminars [PRESENCIAL][Problem solving and exercises]	6
Writing of reports or projects [AUTÓNOMA][Self-study]	16
Class Attendance (theory) [PRESENCIAL][Lectures]	32
Group tutoring sessions [PRESENCIAL][Group tutoring sessions]	4
Class Attendance (practical) [PRESENCIAL][Practical or hands-on activities]	15
Study and Exam Preparation [AUTÓNOMA][Combination of methods]	74
Mid-term test [PRESENCIAL][Assessment tests]	3
<b>Total horas: 150</b>	

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description

Serway, Raymond A.	Física para Ciencias e Ingeniería	International Thomson	970-686-423-7 (v.1)	2005	Curso interactivo de Física
Franco, Ángel	Física con ordenador				
Gettys, W. Edward	Física para Ingeniería y ciencias	McGraw-Hill	970-10-4889-X (v-II)	2005	
Eisberg, robert Martin	Física	McGraw-Hill	968-451-634-2 (v2)	1990	
		Paraninfo,			
Lea, Susan M	Física: la naturaleza de las cosas	Thimson Learning	84-283-2814-5 (T-II)	2001	
Tipler; Paul Allen	Física para la ciencia y la tecnología	Reverté	84-291-4400-5 (o.C.)	2005	