

# Addendum to the Course Information Year 2021-2022

Possible adaptations due to COVID 19:

- **Scenario A:** Face-to-face reduced schedule
- **Scenario B:** Face-to-face suspended schedule

## Bachelor in Mechanical Engineering

### General Information of the course

**Name:** Physics II

**Code:** 606410107

**Year:** 2021-2022

**Semester:** 2

### Course Information

<http://www.uhu.es/etsi/estudiantes-2/incoming-students/>

## SCENARIO A

### Syllabus adaptation

Not required.

### Adequacy of training activities and teaching methodologies

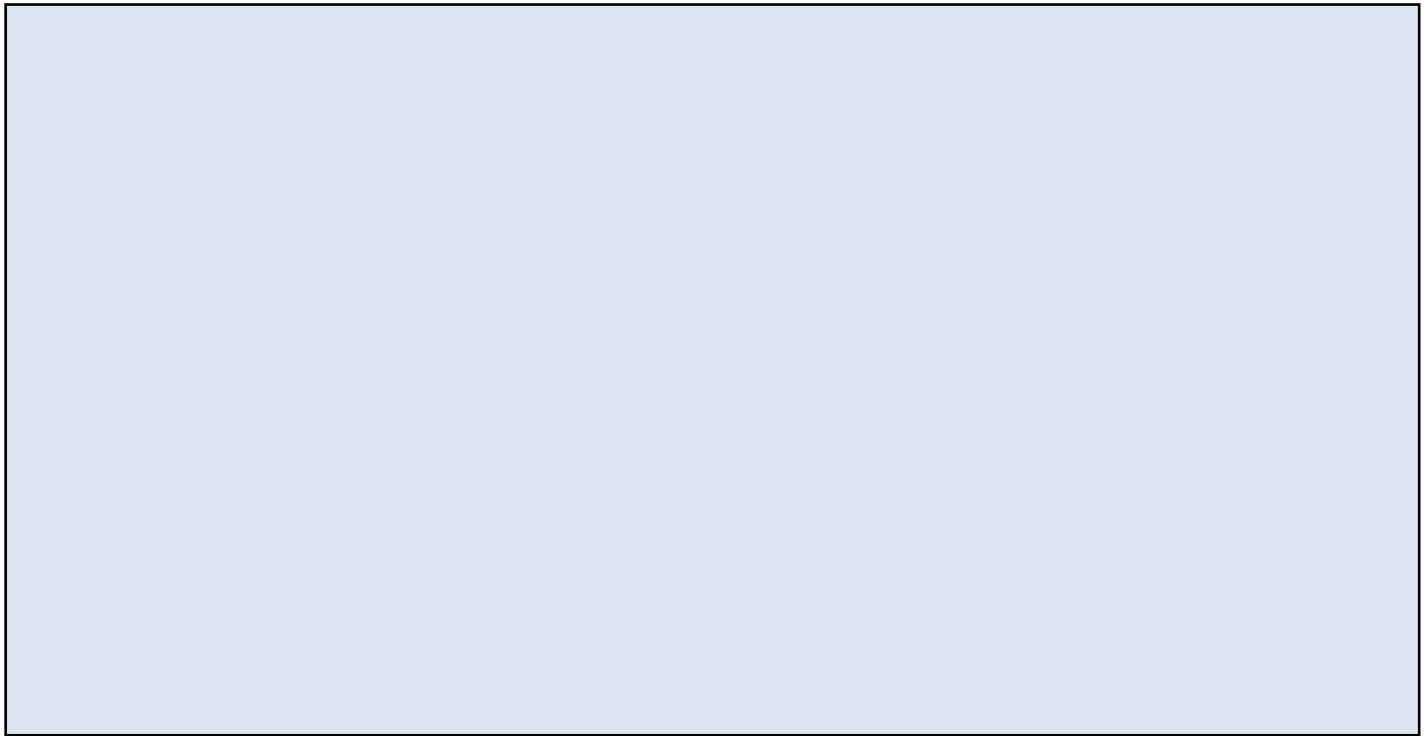
Training activity	Type*
Theoretical sessions	Online
Sessions in laboratory or computer classroom	Face-to-face
Problem solving sessions	Face-to-face
Academically directed teaching activities	Online

\* Face-to-face/Online

### Description of teaching methodologies used for each training activity

- 1) Theoretical sessions, synchronized via Zoom.
- 2) Labs will be taught in small groups in the appropriate labs.
- 3) Problem solving sessions will take place in small groups in the appropriate rooms.
- 4) Academically directed teaching activities consist in the presentation of reports that imply the solution of key problems to understand the contents of the course. This can be done on line no synchronization is needed.

Description of teaching methodologies used for each training activity (continued)



Adaptation of evaluation system (continuous assessment)

Evaluation system	Type*	Percentage
Theory and problem exam, midterm 1	Face-to-face	35%
Theory and problem exam, midterm 2	Face-to-face	35%
Lab exam.	Synchronous	10%
Lab reports.	Asynchronous	10%
Test on academically directed teaching activities.	Synchronous	10%

\* Face-to-face/ Synchronous/ Asynchronous

Description of evaluation system

- 1) 70%, theory and resolution of problems. These will be evaluated in two partial exams with theoretical questions (25%) and problems (75%).
- 2) 10%, grade obtained in the test on the academically directed activities. The students must present online their work on certain assigned tasks (problems or reports).
- 3) 20%, labs. The lab credits will be evaluated through the reports of experiments performance (10%) and a exam to evaluate student understanding of the experimental methods (10%).

## Description of evaluation system (continued)

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## Adaptation of evaluation system (final assessment)

Sistema de Evaluación	Formato*	Porcentaje
Theory and problem exam, part 1	Face-to-face	40%
Theory and problem exam, part 1	Face-to-face	40%
Lab exam.	Asynchronous	20%

\* Face-to-face/ Synchronous/ Asynchronous

## Description of evaluation system

- 1) Face to face exams are maintained to evaluate theoretical knowledge. The contents are divided on two exams of equal weight, each of them will contain 25% of theory and 75% of problems.
- 2) Lab exam (20%). The exam contain questions related to the experiments and the data analysis skills that the student should have acquired though the execution of the experiments.

## SCENARIO B

### Syllabus adaptation

Not required.

### Adequacy of training activities and teaching methodologies

Training activity	Type*
Theoretical sessions	Online
Sessions in laboratory or computer classroom	Online
Problem solving sessions	Online
Academically directed teaching activities	Online

\* In scenario B, all the training activities will be carried out *Online*

### Description of teaching methodologies used for each training activity

The theoretical lectures will be on line using Zoom.

Lab experiments will be performed using simulators or video presentations. Experimental data will be provided such that the students can do the analysis and obtain the physical parameters searched with the experiment.

Problem solving sessions: problems and practical cases will be discussed online via zoom.

Academically directed teaching activities. Several of this activities will be done such that the students can follow the course with individual work. They can upload several tasks in Moodle and defend them on line.

Evaluation system	Type*	Percentage
Theory and problem exam, part 1	Online	
Theory and problem exam, part 2	Online	
Lab exam	Online	
Lab reports	Online	
Test on academically directed teaching activities	Online	

\* In scenario B, all the evaluation systems will be carried out *Online*

### Description of evaluation system

1) Theory-problems exams: The students will do the exams online, via zoom, under the supervision of the professor. After the exams, the students will present the exam contents answering the questions that the professor requires. The contents of the course will be evaluated in two exams of equal weight (35%), each one will consist on 25% of theoretical questions and the rest on problems. The academically directed activities (10%) will consists on problem sets that the students must upload on the required date.

2) The lab grade will come from the lab reports (10%) that consist on the description of the experiment, theoretical foundation and data analysis and a exam with questions realted to the labs sessions and the skills the students must acquire with them (10%).

Evaluation system	Type*	Percentage
Theory and problem exam, part 1.	Online	40%
Theory and problem exam, part 2.	Online	40%
Lab exam.	Online	20%

\* In scenario B, all the evaluation systems will be carried out *Online*

### Description of evaluation system

- 1) Theory-problems exams. The students will do the exams online, via zoom, under the supervision of the professor. After the exams, the students will present the exam contents answering the questions that the professor requires. The contents of the course will be evaluated in two exams for equal weight (40%), each one will consist on 25% of theoretical questions and the rest on problems.
- 2) The lab grade (20%) will come from a exam with questions related to the labs sessions and the skills the students must acquire with them.