

## SYLLABUS

### 1. COURSE DESCRIPTION

<b>Degree:</b>	<b>Environmental Sciences</b>
<b>Course:</b>	<b>Physics</b>
<b>Module:</b>	<b>Physics</b>
<b>Department:</b>	<b>Physical, Chemical and Natural Systems</b>
<b>Academic Year:</b>	<b>2017-18</b>
<b>Term:</b>	<b>First</b>
<b>ECTS credits:</b>	<b>6</b>
<b>Year:</b>	<b>1<sup>st</sup> year</b>
<b>Type:</b>	<b>Basic</b>
<b>Language:</b>	<b>Spanish</b>

<b>Course Model:</b>	<b>B1</b>	
<b>a. Basic learning (EB):</b>		<b>60 %</b>
<b>b. Practical learning (EPD):</b>		<b>40 %</b>

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### 2. LECTURERS

**2.1 Coordinator: Feliciano de Soto Borrero**

<b>2.2 Lecturers</b>	
<b>Name:</b>	<b>Feliciano de Soto Borrero</b>
<b>School:</b>	<b>School of Experimental Sciences</b>
<b>Department:</b>	<b>Physical, Chemical and Natural Systems</b>
<b>Area:</b>	<b>Applied Physics</b>
<b>Office Hours:</b>	
<b>Office:</b>	<b>22.2.12</b>
<b>E-mail:</b>	<b>fcsotbor@upo.es</b>
<b>Phone:</b>	<b>954977553</b>

<b>Name:</b>	<b>María del Carmen Jiménez Ramos</b>
<b>School:</b>	<b>School of Experimental Sciences</b>
<b>Department:</b>	<b>Physical, Chemical and Natural Systems</b>
<b>Area:</b>	<b>Applied Physics</b>
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### 3. TOPICS

**UNIT 1: Mechanics.**

**UNIT 2: Fluid dynamics.**

**UNIT 4: Thermodynamics.**

**UNIT 5: Waves and radiation.**

#### **Practical and development education**

Practical teaching sessions will be devoted, on the one hand, to the realization of laboratory practices, designed so that the student can verify that the concepts given in class are derived from the experiment. On the other hand, the emphasis will be on realization of problems of level and difficulty similar to those dealt with in class.

Each laboratory practice will be carried out after having explained in class the part of corresponding theory. The practical laboratory sessions will be focused on the calculation of errors and in the propagation of uncertainties.