

## SYLLABUS

### 1. COURSE DESCRIPTION

<b>Degree:</b>	<b>Environmental Sciences</b>
<b>Course:</b>	<b>Natural Hazards (in Spanish)</b>
<b>Department:</b>	<b>Environment Management, Quality, Conservation and Planning.</b> <b>Sub-module: Natural, Rural and Urban Areas Conservation, Management and Planning.</b> <b>Field: Territorial Management</b>
<b>Department:</b>	<b>Physical, Chemical and Natural Systems</b>
<b>Year:</b>	<b>2017-18</b>
<b>Term:</b>	<b>First</b>
<b>ECTS credits:</b>	<b>4,5</b>
<b>Academic Year:</b>	<b>3<sup>rd</sup> year</b>
<b>Type:</b>	<b>Compulsory</b>
<b>Language:</b>	<b>Spanish</b>

<b>Course Model:</b>	<b>C1</b>	
<b>a. Basic learning (EB):</b>		<b>50%</b>
<b>b. Practical learning (EPD):</b>		<b>50%</b>

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### 2. LECTURER

<b>Coordinator</b>	
<b>Name:</b>	<b>Dr Federico Torcal Medina</b>
<b>School:</b>	<b>School of Experimental Sciences</b>
<b>Department:</b>	<b>Physical, Chemical and Natural Systems</b>
<b>Area:</b>	<b>Internal Geodynamics</b>
<b>Office Hours:</b>	<b>First Semester: Wednesdays 11.30-14.00, Thursdays 11.00-13.00 and 15:00-17:00</b> <b>Prior contact through email.</b>
<b>Office:</b>	<b>22-02-08</b>
<b>E-mail:</b>	<b>ftormed@upo.es</b>
<b>Phone:</b>	<b>954977362</b>

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### 3. TOPICS

- 1.- Introduction: hazard, vulnerability and risk. Natural and technological hazards
- 2.- Definition, origin and mitigation of Natural hazards
  - 2.1. Hazards related to Plate tectonics: Earthquakes, tsunamis and volcanoes
  - 2.2. Storms and Flooding
  - 2.3. Land instability
  - 2.4. Wildfires
  - 2.5. Other hazards: coastal, climatic and impacts
- 3.- Natural hazards analysis: mapping, data acquisition and probability analysis
- 4.- Risk assessment and civil protection.



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