

<b>Academic Year: 2019/2020</b>		
<b>Course: Applied Geomorphology to Spatial Planning and Management</b>		
<b>Coordinator: Ricardo A. C. Garcia</b>		
<b>Teaching Staff: Ricardo A. C. Garcia</b>		
<b>ECTS:6</b>	<b>Weekly Hours:2,5</b>	<b>Typology: Seminar</b>
<b>Contents</b>		
<p>1. Geomorphology (s): the diversity of research in theoretical and applied geomorphology</p> <p>2. Present day dynamics: examples in different morphogenetic systems (fluvial, aeolian, glacial and periglacial, costal and karstic processes and landforms)</p> <p>2.1. Definition of goals</p> <p>2.2. Methodologies and research techniques</p> <p>2.3. Results and implications for theoretical and applied research</p> <p>2.4. Field work</p>		
<b>Objectives and skills</b>		
<b>Objectives:</b>		
<ul style="list-style-type: none"> <li>• Deepening of knowledge in Geomorphology</li> <li>• Capacity development of data acquisition in the field</li> <li>• Development of critical thinking in relation to available data</li> <li>• Recognition in the field of traces of extreme events</li> <li>• Evaluation of the anthropogenic role in geomorphic dynamics</li> <li>• Development of the capacity of perception of relief as a resource</li> </ul>		
<b>Skills:</b>		
<ul style="list-style-type: none"> <li>• Acquisition of accuracy in geomorphological research</li> <li>• Ability to research in theoretical and applied geomorphology</li> <li>• Ability to solve appropriate solutions to sustainable management</li> </ul>		
<b>References</b>		
<p>Allison, Robert (2001). Applied Geomorphology: Theory and Practice. John Wiley &amp; Sons.</p> <p>Bird, Eric (2011) Coastal Geomorphology: An Introduction. 2ª edição, John Wiley &amp; Sons.</p> <p>Burbank, Douglas W.; Anderson, Robert S. (2011). Tectonic Geomorphology. 2ª edição, John Wiley &amp; Sons.</p> <p>Ford, Derek C.; Williams, Paul (2013). Karst Hydrogeology and Geomorphology. John Wiley &amp; Sons.</p> <p>Fryirs, Kirstie; Brierley, Gary (2012). Geomorphic Analysis of River Systems: An Approach to Reading the Landscape. John Wiley &amp; Sons.</p> <p>Hugget, Richard (2013). Fundamentals of Geomorphology. John Wiley &amp; Sons.</p>		
<b>Knowledge evaluation methods and their partial grades</b>		
<p>Individual exercises/speedy tests (for each thematic) – 50%</p> <p>Oral presentation (chosen theme) – 10%</p> <p>Field work reports – 40%</p>		