

Academic Year: 2017/2018		
Course: Environment and Biodiversity		
Coordinator: Carlos Silva Neto		
Teaching Staff: Carlos Silva Neto		
ECTS: 6	Weekly Hours: 4h	Typology: Theoretical/practical classes
Contents		
<p>1. The biophysical environment: symbiosis between the physical environment and the biological life forms. Effect of human activities on the environment.</p> <p>2 Biodiversity: Loss, degradation and fragmentation of habitats. Consequences of habitat fragmentation in the reduction of genetic diversity and in the survival of species.</p> <p>3. Conservation policy in the European Union and Portugal. Major international events and how these are reflected in the European Union and Portugal</p> <p>4. The Corine biotopes. CORINE Biotopes Sites database. Legislation and protected areas created in Portugal. The Corine Biotopes and the Natura 2000 network</p> <p>5. The database EUNIS. The importance of the database EUNIS to acquire information on species, habitats and protected areas about member states of the European Union.</p> <p>6. The Natura 2000 network. History and objectives. The Birds Directive and the Habitats Directive.</p> <p>7. The Sectoral Plan of the Natura 2000 network and relations with other instruments of territorial management</p>		
Objectives and skills		
<p>Objectives:</p> <ul style="list-style-type: none"> - To impart notions on Portuguese biodiversity and also on the importance of nature conservation and management - Comprehension of European and Portuguese policy for biodiversity and nature conservation - To impart knowledge on Natura 2000 Network and its impacts on the territory <p>Skills:</p> <ul style="list-style-type: none"> -To become proficient in the use of databases sources available for species of animals and plants, habitats and protected areas about member states of the European Union. - To identify the habitats types of Natura 2000 Network in Portugal. - Assess the value for conservation of Natura 2000 habitats. - To become acquainted in mapping and evaluating of Natura 2000 habitats - Using some statistical methods to calculate the value for conservation of a plant community 		
References		
<p>1. Alves, J.; Espírito-Santo, M.D.; Costa, J.C.; Capelo, J. e Lousã, M. (1998) – <i>Habitats Naturais e Seminaturais de Portugal Continental. Tipos de habitats mais significativos e agrupamentos vegetais característicos</i>, Instituto da Conservação da Natureza (ICN), Lisboa.</p> <p>2. Cunningham, W. P. e Cunningham, M. A. (2006) - <i>Principles of Environmental Science</i>, McGraw-Hill International Edition, Boston.</p> <p>3. MAOT (2001) – <i>Estratégia Nacional de Conservação da Natureza</i>, Versão para discussão pública. Ministério do Ambiente e Ordenamento do Território (MAOT), Lisboa.</p> <p>4. Meffe G. K. e Carroll C. R. (eds.) (1997) – <i>Principles of Conservation Biology</i>. II ed. Sinauer Associates Inc. Publishers, Sunderland, Massachusetts, USA.</p> <p>5. Sampson, G.P. e Chambers, W.Bradnee (2002) – <i>Trade, Environment and the Millenium</i>. United nations University, Tóquio.</p> <p>6. UNEP (2007) - <i>Global Environment Outlook. Geo 4. Environment for development</i>. United Nations Environment Programme, Earthscan Publications Ltd, London (http://www.unep.org/geo/geo4/media/)</p>		
Knowledge evaluation methods and their partial grades		
<p>Student evaluation Criteria:</p> <p>Final assessment test (in the evaluation period) _____ 60%</p> <p>Practical work – (delivery date at the end of the course) _____ 35 %</p> <p>assiduity and participation _____ 5 %</p>		
<p>Student workers Criteria:</p> <p>Final assessment test (in the evaluation period) _____ 60%</p> <p>Practical work – (delivery date at the end of the course) _____ 40 %</p>		