

Academic Year: 2016/2017		
Course: Seminar/Project in Cartography and Geographical Information Systems		
Coordinator: Eusébio Reis		
Teaching Staff: Eusébio Reis, Nuno Costa		
ECTS: 30	Weekly Hours: 6h	Typology: Seminar
Contents		
<p>Objective identification and project conceptualization in Cartography and Geographical Information Systems (C&GIS).</p> <p>Data organization and structuring of the database in GIS.</p> <p>Definition of analytical procedures and identification of processes in GIS.</p> <p>Results achievement, critical evaluation and presentation of the work.</p>		
Objectives and skills		
<p>Objectives:</p> <ul style="list-style-type: none"> - Identify gaps and provide additional training of students in the field of C&GIS; - Organize geographic information and generate its spatial distribution; - Test various spatial analysis tools in order to deal with specific problems; - Organize procedures and develop the ability to create the methodological framework in GIS; - Develop critical faculties in relation to processes and outcomes. <p>Skills:</p> <ul style="list-style-type: none"> - Learn to structure a project in C&GIS, from the data acquisition to the generation of the final results; - The ability to integrate different types of geographic information in a consistent GIS environment; - Develop analytical procedures for spatial data in order to solve geographical problems; - Acquire critical skills to evaluate the results obtained during the various processes. 		
References		
Due to the nature of this course references will be discussed according to the scope of each work.		
Knowledge evaluation methods and their partial grades		
<p>The seminar evaluation includes the next five elements:</p> <ul style="list-style-type: none"> - 1 Work Plan (5%), delivered in the beginning (3rd week) of the Seminar; - 1 Intermediate Oral Presentation (work progress) of the practical work group, in the middle of the semester (15%); - 1 Oral Presentation of the practical work group, a week before the work delivery (20%); - 1 Work Group (55%) – 2 students – that will be delivered in the end of the Seminar; - Personal Evaluation (5%). 		