

Course Unit Descriptor

Study Programme: Architecture			
Course Unit Title: Interactive visualization			
Course Unit Code: AD0015			
Name of Lecturer(s): Lazić Marko			
Type and Level of Studies: master			
Course Status (compulsory/elective): elective			
Semester (winter/ summer): winter			
Language of instruction: english			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 6			
Prerequisites: none			
Course Aims: Enabling students to use basic computer application software for representation of a wider physical environment.			
Learning Outcomes: To apply acquired knowledge in the further educational process as well as in the future professional development.			
Syllabus. Introduction, defining and explaining wider glossary of geoinformation technology. Fundamentals of GIS: differences from related systems, application and history. Principles of GIS: data structure about Earth, mapping, basic concepts and characteristics of GIS, how GIS operates and system architecture and components. Application of GIS: GIS data base structures, raster and vector models of data base, ``object`` data base, data collection and storage in GIS, analysis and presentation of collected data. Future of GIS. An Overview of leading GIS software.			
Required Reading: Relevant literature in English, tbd			
Weekly Contact Hours:2	Lectures: 2	Practical work:	
Teaching Methods: Lectures and Practice in the computer laboratory. Consultations. Part of the course which represents a logical whole is to be passed in four colloquiums. Colloquiums are done in the computer laboratory. Students may take the next colloquium if he/she won at least 30% of the points at the previous colloquium. In order for the student to pass the examination, he/she has to win at least 30% of the points at each of the four colloquiums besides other prerequisites. Course grade is formed based on the lecture and practice attendance and success at the colloquium.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Attendance			
Computer exercises			
Tests (4x)			

