

<b>Study Programme:</b> Information Systems Engineering			
<b>Course Unit Title:</b> Geoportal and Geoportal Services			
<b>Course Unit Code:</b> GI501			
<b>Name of Lecturer(s):</b> Pržulj Đorđe			
<b>Type and Level of Studies:</b> Master Academic Degree			
<b>Course Status (compulsory/elective):</b> compulsory			
<b>Semester (winter/summer):</b> winter			
<b>Language of instruction:</b> english			
<b>Mode of course unit delivery (face-to-face/distance learning):</b> face-to-face			
<b>Number of ECTS Allocated:</b> 6			
<b>Prerequisites:</b> none			
<b>Course Aims:</b> To acquire basic and applied knowledge in the field of Geodesy, Geomatics and Geoinformatics. To acquire basic and applied knowledge in the field of application of IT, Portals and Geoportals in Geoinformatics and Geodesy.			
<b>Learning Outcomes:</b> Acquired knowledge is used in professional courses, as well as in the recognition and in solving the engineering problems.			
<b>Syllabus:</b> Lecture content: Mechanisms for data exchange in space. XML, GML, LandXML. Scheme of geometry, scheme of topology, scheme of topography. Exchange documents. Standards for metadata – ISO 19115 - SDI – spatial infrastructure. Geoportals. Architecture of geoportals. Practice content: Practical application of presented concepts from lectures. Implementation of geoportal. Customization of geoportal and implementation of custom client web applications.			
<b>Required Reading:</b> Relevant literature in English TBD			
<b>Weekly Contact Hours:-</b>	<b>Lectures:-</b>	<b>Practical work:-</b>	
<b>Teaching Methods:</b> Teaching forms: lectures, computer practice, consultations, individual elaboration of obligatory tasks. Knowledge evaluation: guided and individual elaboration of obligatory tasks; seminar paper; written partial exam; final examination – oral form			
<b>Knowledge Assessment (maximum of 100 points):</b> 100			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Computer Exercise Defence	10	Theoretical Part of the Exam	50
Computer Exercise Defence	10		
Computer Exercise Defence	10		
Coloquim Exam	20		
Term paper	20		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam,			

project presentation, seminars, etc.