

Course Unit Descriptor

Study Programme: Geodesy			
Course Unit Title: Professional Practice in Engineering Geodesy			
Course Unit Code:			
Name of Lecturer(s): Associate Professor Vukan Ogrizović			
Type and Level of Studies: Bachelor Academic Degree			
Course Status (compulsory/elective): Compulsory			
Semester (winter/summer): Summer			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face-to-face			
Number of ECTS Allocated: 5			
Prerequisites: None			
Course Aims: Involving students in performing field surveying works in various engineering-technical areas			
Learning Outcomes: Within the practical lectures, the students apply acquired knowledge to specific tasks and go through all phases of works needed for creation of a technical report: field measurements, data transfer, estimation of measurements accuracy, adjustment, and writing the technical report.			
Syllabus: <i>Theory</i> N/A (Theoretical background taught in courses: Geodetic Metrology, Geodetic Networks, Engineering Geodesy 1 & 2) <i>Practice</i> <ul style="list-style-type: none"> • Measuring basic quantities in a control network. • Connecting objects to the control network. • Analytic decomposition of the object geometry. • Accuracy estimation of basic quantities staking-out. • Calculation of the elements for basic quantities staking-out. • Basic quantities staking-out. • Fixing the staked-out geometrical elements of the object. • Control measurements for object's geometry control. • Surveying measurements for the purpose of geodetic monitoring of the objects and ground. • Reconnaissance and analysis of photogrammetric images. 			
Required Reading: <ol style="list-style-type: none"> 1. S. Ašanin, Inženjerska geodezija 1, Ageo d.o.o., Beograd, 2003. 2. S. Ašanin i dr., Zbirka odabranih zadataka iz Inženjerske geodezije, Geokarta, Beograd, 2007. 			
Weekly Contact Hours: 60	Lectures: 30	Practical work: 30	
Teaching Methods: Lectures and students group work			
Knowledge Assessment (maximum of 100 points): 100			
Pre-exam obligations	points	Final exam	points

Active class participation		written exam	
Test I and Test II	70	oral exam	30
Preliminary exam(s)		
Seminar(s)			
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			