

Course Unit Descriptor

Study Programme: Geodesy			
Course Unit Title: Professional practices from geodetic networks			
Course Unit Code: GE22			
Name of Lecturer(s): Associate Professor Siniša Delčev			
Type and Level of Studies: Basic academic studies			
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: 4			
Prerequisites: Passed colloquiums from the Geodetic networks			
Course Aims: Train students through practical work for independent work in various types of geodetic networks with different types of surveying instruments.			
Learning Outcomes: Students are trained to independently perform different types of geodetic measurements in geodetic networks. Students form detailed report (elaborate) based on the independently performed measurements.			
Syllabus: <i>Theory</i> None. (Theoretical basis are listen to courses of Geodetic measurement techniques, Geodetic metrology and Geodetic networks). <i>Practice</i> <i>Exercises:</i> <ul style="list-style-type: none"> - Measurement of horizontal angles, directions. - Measuring of distances. - Measuring of zenith distances. - Measurement of height differences. - Measurement by using GPS technology. - Astronomical determinations. - Measurements of acceleration of the earth's gravity. 			
Required Reading: 1. S. Delčev: Geodetska metrologija, Akademska misao, Beograd, ISBN 978-86-7466-640-1, 2016. 2. Vaniček P., Krakivsky E.: Geodesy: the concept, North-Holland Publishing company, Amsterdam - New York - Oxford, The Netherlands, 1980.			
Weekly Contact Hours:	Lectures: 0	Practical work: 60	
Teaching Methods: Lectures, exercises, colloquiums, consultations.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points

Active class participation	-	written exam	-
Practical work	70	oral exam	30
Preliminary exam(s)	-	

The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.