

Study program:	Civil Engineering		
Level of study:	Undergraduate academic studies or Master academic studies or PhD studies		
Course title:	Geodesy		
Teacher:	Milan.N.Trifković		
Course Status:	Required (Core, Obligatory) or Elective Obligatory		
Credits (ECTS):	5		
Prerequisite:	Name of course(s)		
Course objective(s): This programme aims to introduce basic of geodesy			
Course outcome(s):			
Course Content:			
1 st week	Basic terms in geodesy: coordinates, scales, measures, base of theory of errors		
2 nd week	Angles measurements		
3 rd week	Distances measurements		
4 th week	Height differences measurements		
5 th week	Methods of levelling; Adjustments of levelling measurements		
6 th week	Geodetic networks; Trigonometric network		
7 th week	I test		
8 th week	Trilateration; Polygonal network		
9 th week	Lineal network; Basic calculation in networks		
10 th week	Terrain surveying; Surveying methods; Orthogonal method		
11 th week	Polar method surveying; Total stations		
12 th week	Photogrammetry; Ortophoto; Satellite imagery		
13 th week	Plans and maps production both classical and digital methods		
14 th week	Area calculation methods		
15 th week	II test		
Literature: G. Marinković, M. Trifković, T. Ninkov: Osnove geodezije, Fakultet Tehničkih Nauka, Novi Sad, 2016			
Number of hours:			Other classes: 0
Lectures: 2	Exercises: 2	Other forms of teaching: 0	Individual research work: 0
Teaching methods: Lectures, exercises, seminars, consultations			
Evaluation of knowledge (maximum 100 points)			
Pre-exam activities	points	Final exam	points
Activity during the lectures	5	Written exam	30
Activity during the exercises	5	Oral exam	30
Seminar paper (Graphic work, Term paper...)	00	-	-
Colloquia	30		