Course title :

Course Basic Information				
Academic Unit:	Faculty of Civil	Engineering		
Course title:	Basics of geode	esy		
Level:	Bachelor			
Course Status:	Mandatory			
Year of Study:	Year 1. Semest	er 2		
Number of Classes per Week	2+2	-		
FCTS Credits:	6			
Time /Location:	C According to the Timetable			
	Prof Ass Dr. Ymer Kuka			
Teacher:	PTOLASS.DI. TI			
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Course Description:	The course begins with the knowledge on form and size			
	of earth, geodesy definitions, information on ellipse, and			
	the coordination of point state triangulation and and			
		calculating method	s of coordination in	
	up with the calculating methods of coordination in Cartesian 2D system			
Course Goals:	The main objective of this course is to develop basic			
	knowledge on	knowledge on main duties of geodesy and calculation of		
	referential geo	detic systems.	coy and calculation of	
Expected Learning Outcomes:	After finishing this course the student should be able to			
Expected Learning Outcomes.	- Gain basic knowledge in the geometry of ellipse and			
	cartograp	hic projections		
	- To make t	he needed calculation	ons in ellipse	
	- To understand geodetic datum and coordinative			
	transformations			
Student Workload (should be ir	n compliance w	vith student's Lear	ning Outcomes)	
Activity	Hours	Day/ Week	Total	
Lectures	2	15	30	
Theory/ Lab Work/Exercises	2	15	30	
Practical Work	1	12	12	
Consultations with the teacher	1	15	15	
Field Work	±	15	15	
Test, seminar paper	4	2	8	
Homework	1	13	13	
Self-study (library or home)	1	13	13	
Preparation for final exam	1	15	15	
Assessment time (test, quiz, final				
exam)	1	15	15	
Total		15	15 152	

Teaching Methods:	-Lecture	
	-Discussion during lectures	
	-Exercises	
	-Team work	
Assessment Methods:	In evaluation, the percentage of the attendance of eac partial evaluation in the final evaluation must be determined. One of the ways of evaluation would be First Evaluation: 15% Second Homework or other engagement: 10% Attendance 5% Final Exam 55% Total 100%	ch be ie:
Primary Literature:	1) Torge, W.: Geodesy, 3rd Edition, Walter de Gruyte	er,
	2001.	
	2) Bauer, M.: Vermessung und Ortung mit Satelliten,	
	Wichmann verlag, 2003	
Additional Literature:	1) Nela, K.: Gjeodezi Praktike I, 2005	
	2) Nela, K.: Gjeodezi Praktike II, 2005	
Designed teaching plan	2) Nela, K.: Gjeodezi Praktike II, 2005	
Designed teaching plan Week	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture	
Designed teaching plan Week <i>Week 1:</i>	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions	
Designed teaching plan Week <i>Week 1:</i> <i>Week 2:</i>	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems	
Designed teaching plan Week Week 1: Week 2: Week 3:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys	
Designed teaching plan Week Week 1: Week 2: Week 3: Week 4:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys Theory of errors	
Designed teaching plan Week Week 1: Week 2: Week 3: Week 4: Week 5:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys Theory of errors Assessment of accuracy of survey results	
Designed teaching plan Week Week 1: Week 2: Week 3: Week 4: Week 5: Week 6:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys Theory of errors Assessment of accuracy of survey results Mean error of the function of measured sizes	
Designed teaching plan Week Week 1: Week 2: Week 3: Week 4: Week 5: Week 6: Week 7:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys Theory of errors Assessment of accuracy of survey results Mean error of the function of measured sizes Equalize results from direct measurements	
Designed teaching plan Week Week 1: Week 2: Week 3: Week 4: Week 5: Week 5: Week 6: Week 7: Week 8:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys Theory of errors Assessment of accuracy of survey results Mean error of the function of measured sizes Equalize results from direct measurements The length measurement	
Designed teaching plan Week Week 1: Week 2: Week 3: Week 4: Week 5: Week 6: Week 7: Week 8:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys Theory of errors Assessment of accuracy of survey results Mean error of the function of measured sizes Equalize results from direct measurements The length measurement First valuation	
Designed teaching plan Week Week 1: Week 2: Week 3: Week 4: Week 5: Week 5: Week 6: Week 7: Week 8: Week 9:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys Theory of errors Assessment of accuracy of survey results Mean error of the function of measured sizes Equalize results from direct measurements The length measurement First valuation Geodetic instruments	
Designed teaching plan Week Week 1: Week 2: Week 3: Week 4: Week 5: Week 5: Week 6: Week 7: Week 8: Week 9: Week 10:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys Theory of errors Assessment of accuracy of survey results Mean error of the function of measured sizes Equalize results from direct measurements The length measurement First valuation Geodetic instruments Measurement of horizontal angles	
Designed teaching plan Week Week 1: Week 2: Week 3: Week 4: Week 5: Week 5: Week 6: Week 7: Week 8: Week 8: Week 9: Week 10: Week 11:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys Theory of errors Assessment of accuracy of survey results Mean error of the function of measured sizes Equalize results from direct measurements The length measurement First valuation Geodetic instruments Measurement of horizontal angles Measurement of vertical angles	
Designed teaching plan Week Week 1: Week 2: Week 3: Week 4: Week 5: Week 6: Week 6: Week 7: Week 8: Week 8: Week 10: Week 11: Week 12:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys Theory of errors Assessment of accuracy of survey results Mean error of the function of measured sizes Equalize results from direct measurements The length measurement First valuation Geodetic instruments Measurement of horizontal angles Measurement of vertical angles Polygon network	
Designed teaching plan Week Week 1: Week 2: Week 3: Week 4: Week 5: Week 5: Week 6: Week 6: Week 7: Week 8: Week 8: Week 10: Week 11: Week 12: Week 13:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys Theory of errors Assessment of accuracy of survey results Mean error of the function of measured sizes Equalize results from direct measurements The length measurement First valuation Geodetic instruments Measurement of horizontal angles Measurement of vertical angles Polygon network Leveling network	
Designed teaching plan Week Week 1: Week 2: Week 3: Week 4: Week 5: Week 5: Week 6: Week 6: Week 7: Week 8: Week 8: Week 10: Week 10: Week 11: Week 12: Week 13: Week 14:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys Theory of errors Assessment of accuracy of survey results Mean error of the function of measured sizes Equalize results from direct measurements The length measurement First valuation Geodetic instruments Measurement of horizontal angles Measurement of vertical angles Polygon network Leveling network Geodetic plans	
Designed teaching plan Week Week 1: Week 2: Week 3: Week 4: Week 5: Week 6: Week 7: Week 8: Week 10: Week 11: Week 12: Week 13: Week 14: Week 15:	2) Nela, K.: Gjeodezi Praktike II, 2005 Title of the Lecture General notions Coordinates and coordinate systems Standard surveys Theory of errors Assessment of accuracy of survey results Mean error of the function of measured sizes Equalize results from direct measurements The length measurement First valuation Geodetic instruments Measurement of horizontal angles Measurement of vertical angles Polygon network Leveling network Geodetic plans Global Positioning System (GPS)	

Academic Policies and Code of Conduct

Regular attendance of lectures and exercises
Being quiet during the sessions
Shutting down mobile phones
Being on time

Note | If a student has more than 3 class assignements evaluated below 50% he/she loses the right on taking the final exam. Evaluation is done from 0-100 %.