Course title : Methods of adjustments

Course Basic Information					
Academic Unit:	Faculty of Civil Engineering				
Course title:	Adjustment methods				
Level:	Bachelor				
Course Status:	Mandatory				
Year of Study:	Year 2, Semester 3				
Number of Classes per Week:	2+2				
ECTS Credits:	6				
Time /Location:	According to the Timetable				
Teacher:	Prof. Dr. Murat Meha				
Contact Details:	murat.meha@uni-pr.edu				
	044 120 958				
Course Description:	Theory of errors is well known from Gauss and other authors. Theory of adjustment will make the balance between practical works from geodetic measurements and their mathematical treatments through mathematical model. For sure the classical adjustment methods has to be integrated at new technological developments in surveying fields.				
Course Goals:	This course focuses on the methodologies and methods of adjustments geodetic measurements for the basic knowledge. Particular emphasis will be placed on the use of new techniques of a model design of adjustment system.				
Expected Learning Outcomes:	 Student has to describe methods of adjustments of a geodetic measurements Student has to understood and interpret basic theory of probability, Student need to classify measurements before starting the adjustments; Student need to understood the form of double measurements adjustments, Student need to describe the way of direct measurement adjustments, Student need to define and clarify the function of waits as well as to the adjustments. 				
Student Workload (should be in	o 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					

I Stady for interinediate test		1	13	13		
Consultations with the teacher		1	15	15		
Field Work						
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. guiz.	final					
exam)						
Projects, presentations, etc.		1	15	15		
Total				152		
Teaching Methods:		. Lecture n	umerical evercise ar	nd laboratory		
reaching methods.		evercise				
		Workshops				
		- workshops				
		- And Work	in groups.	50/		
Assessment Methods:		Participation ir	Participation in lectures and exercises: 5%			
		Homework or	other commitments	10%		
		First colloquiu	m: 30%			
		Second Collog	uium: 25%			
		Final exam: 30	%			
		Total: 100%				
Primary Literature:	1) Nela, K. 2009. Teoria e Gabimeve, UP, Prishtinë.					
Additional Literature:		1) Meha, M. 2011. Barazimi i matjeve				
		gieodezike	.Dorshkrim nga ligje	ratat. UP. Prishtinë		
		2) Huaan, F. 2	2010. Theory of Erro	rs and Least Squares		
		Adjustmen	t 100 44 Stockholm	Sweden August		
		/ (0)00011101				
1		2010		Sweden, August		
Designed teaching plan		2010		Sweden, Adgust		
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Week 14:	Second evaluation The qualifying second colloquium
Week 15:	Normal distribution curve (curve Gauss).

Academic Policies and Code of Conduct

The teacher sets the criteria for regular attendance at lectures and exercises and rules of etiquette as: quieting in the lesson, disconnection of mobile phone, entrance in lesson in time, mutual respect, and application of the principle one speaks everyone listens etc.

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 %.