Course title :

Course Basic Information			
Academic Unit:	Faculty of Civil Engineering		
Course title:	Photogrammetry		
Level:	Bachelor		
Course Status:	Mandatory		
Year of Study:	Year 2, Semester 4		
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 Goals:	Introduction, concept, and definition of photogrammetry. Foundations of photography and reflection. Camera and photographical systems. Image measurements, coordinative systems in Photogrammetry. Transformation of plane coordinates. Terrestrial Photogrammetry, photographing devices, application. Aerial Photogrammetry, equipment, terrain preparations for photographing. Introduction to the concept and definition of Photogrammetry. Basis and principles of photography. Stereo Photogrammetry, eyes, stereoscopic observation, subjective model, stereo measurement's principles, analytical and digital systems.		
Course Goals:	Through this course, the students are able to acquire fundamental theoretical knowledge for photogrammetry as a scientific discipline serving for geodesy and that starting from the analogue and digital photo to satellite images. To learn that photogrammetry is the art and science of determining the position and objects' shapes from the form in the photos, be it analogue or digital.		
Expected Learning Outcomes:	 Differentiate between analogue and digital apparatus. To distinguish between photography taken with camera and those taken from aerial photogrammetry To be able to plan measurements To calculate parameters that affect the photo's quality To distinguish between satellite image and terrestrial ones 		
Student Workload (should be in compliance with student's Learning Outcomes)			
Activity Lectures	HoursDay/WeekTotal21530		
	2 15 50		

Theory/ Lab Work/Exercises		2	15	30
Practical Work				
Study for intermediate 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, quiz, final				
exam)				
Projects, presentations, etc.		1	15	15
Total				152
		_		
Teaching Methods:		Lecture with Power Point presentations, discussions,		
		exercises, workshops, seminar semester with concrete		
		tasks, discussions during lectures, essays semester with		
		the topic, testing etc.		
Assessment Methods:			-	iaaa, 50/
Assessment Methous.		-	lectures and exerc	ISES: 5%
		Working semir		
		First colloquiu	n: 10%	
		Second Collog	uium: 10%	
		Final exam: 70%		
		Total: 100%		
Primary Literature:		1. Kraus, K.: Fotogrametria, Libri1., përkthim në gjuhën		
······· , -····························		shqipe, Tiranë, 2009.		
Additional Literature:		1. Linder W.: (2009): Digital Photogrammetry		
		1. LINUEL W (2		grannnetry
Designed teaching plan Week	Title of t	he Lecture		
Week 1:			no no otra e dofinition	biotom, and its
Week 1.			mmetry, definition	, history and its
	develop			
Week 2:	Mathematical preliminary knowledge, rotation plans, rotation in		ion plans, rotation in	
	space, ro	otation matrix pr	operties.	
Week 3:	Central projection in space, central projection of a plan,		on of a plan,	
			ne restitution, resti	•
	two files	-	,	
Week 4:			nd photogrammetr	vinlanning
			nu photogrammetr	y highlining
		orientation.		
Week 5:	-	•	•	cesses photographic,
	black and	d white photogra	aphs.	
	Brightne	ss effective in pl	notos.	
Week 6:	Films for	aerial photos.	copying with contra	st control
		ss of the image,		
				morac
Wook 7.				
Week 7:		dent metric camera dent metric cam	as, stereo metric ca	lineras

Week 8:	Planning and implementation of land photogrammetry
	First evaluation
	The qualifying first colloquium
Week 9:	Metric aerial cameras, request for aerial cameras.
Week 10:	Flight planning,
Week 11:	Stereo-restitution, with external orientation known, in stereo
	plotter analog, with external orientation unknown
Week 12:	Stereo plotter and some restitution procedures, stereoscopic
	observation systems, meter parallax, stereo plotter analytical
	universal and analog, Accuracy of data reception.
Week 13:	Photogrammetric triangulation, ortophoto, distortions of photos
	metric, different methods of data collection, format of ortophoto.
Week 14:	Digital photogrammetry, creation of digital images,
	digitalization of photos, digital cameras
Week 15:	
	Academic Policies and Code of Conduct
The teacher sets t	he criteria for regular attendance at lectures and evercises and rules of

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 %.