Course title :

Course Basic Information	
Academic Unit:	Faculty of Civil Engineering
Course title:	CAD application in geodesy
Level:	Bachelor
Course Status:	Elective
Year of Study:	Year 1, Semester 2
Number of Classes per Week:	2+1
ECTS Credits:	3
Time /Location:	According to the Timetable
Teacher:	Prof.Dr. Murat Meha
Contact Details:	murat.meha@uni-pr.edu 044 120 958
Course Description:	*CAD (Computer Aided Drafting) is a flexible program for projecting and designing, used in different technical fields. Designing in engineering has been considerably facilitated through the CAD programs. It has enabled high precision during the work, easier modification of projects, and efficiency, especially in those projects in which the repetition of plans/drawings is needed. With the help of this course, presentable and usable projects/drawings will be created. These can be printed and are easily exchanged with other professionals.*
Course Goals:	*Getting acquainted with CAD and advancing in using AutoCAD.*
Expected Learning Outcomes:	*After finishing this course, the student should be able to understand the main principles of the CAD systems and to create two-dimensional vector and basic three-dimensional in AutoCAD.*

Student Workload (should be in compliance with student's Learning Outcomes)			
Activity	**Hours**	**Day/ Week**	**Total**
Lectures	2	15	30
Theory/ Lab Work/Exercises	1	15	15
Practical Work			
Study for intermediate test	2	2	4
Consultations with the teacher			
Field Work			
Test, seminar paper	1	5	5
Homework	1	5	5
Self-study (library or home)	1	5	5
Preparation for final exam	2	2	4
Assessment time (test, quiz, final exam)			

Projects, presentations, etc.	1	15	15
Total			**83**

Teaching Methods:	*Lecture+ Exercise (in AutoCAD ver. 2013)*
Assessment Methods:	*First Colloquium: 20%* *Second Colloquium: 25%* *Final exam: 55%* *Total 100%*
Primary Literature:	Berisha, R. (2011), AutoCAD 2010, Prishtine
Additional Literature:	Byrnes, D., (2011), AutoCAD2012, John Wiley&Sons, Inc. Gindis, E., (2012), Up and Running with AutoCAD, Elsevier Inc. And all the literature from this field

Designed teaching plan

Week	Title of the Lecture
Week 1:	A short history of CAD, A comparison of different CAD programs
Week 2:	Phases during the work with AutoCAD – Concrete Work
***Week 3*:**	Interface in programming AutoCAD, Configuring AutoCAD
Week 4:	Layers and line parameters
Week 5:	Object Snap and Grip Selection
***Week 6*:**	Functions/Orders for drawing with straight lines
Week 7:	Functions/Orders for drawing with curvy lines
Week 8:	Orders for editing/modifying
Week 9:	Navigating in the drawings (Zoom, Pan, View and Name Port)
Week 10:	Texts
***Week 11*:**	Quoting and hatch
***Week 12*:**	Layouts and plotting
***Week 13*:**	Work with blocks
***Week 14*:**	Work with external references
***Week 15*:**	The third dimension/3D

Academic Policies and Code of Conduct

1. *Regular attendance of lectures and exercises*
2. *Being quiet during the sessions*
3. *Shutting down mobile phones*
4. *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 %.