SYLLABUS

Basic data of the subject	Basic data of the subject				
University	University of Applied Sciences in Ferizaj				
Academic unit	Faculty of Engineering and Informatics				
Program	Industrial Engineering with Informatics				
Title of the subject	CAD I				
Level	Bachelor				
Course Status	Obligatory				
Year of studies	II, Semester III				
Number of hours per week	3				
Value of Credits - ECTS	5				
Time / location	Class 203				
Course lecturer					
Contact details					
Course Description	This course will introduce students about 2D drawings with AutoCAD software.				
Objectives of the course	The aim of the course is to prepare students with the basic and advanced principles of drawing using AutoCAD application software.				
Expected learning outcomes Prerequisites	After the completion of this module, student will be able to: • understand how to use AutoCAD software, • apply commands to AutoCAD software for drawing various figures in 2D, • develop skills for layer management, line types, commands in DRAW and MODIFY bar, object OSNAP criteria, dimensioning commands, and printing, • create different drawings, texts, etc., • develop successfully engineering projects using AutoCAD software. There are no prerequisites to get started with the CAD I.				
•	However, it is recommended that students to have a basic understanding of Engineering Graphics and Mathematics.				
Contribution to the stude	nt load (which	h must save	anond with last-	ng outcomes)	
Activity Contribution to the stude	int ioau (WillC	n must corre Hour	Day/Week	In total	
Lectures with numerical exercis	A C	Hour 3	15	45	
Internship	CS	3	13	43	
Contacts with teacher / consultations		1	4	4	
Field exercises		1	4	4	
		2	9	18	
Midterm, seminars and projects.		2	9	18	
Homework Self-learning time student (at the library or at home)		3	10	30	

Final preparation for the exam		3	8	24	
Time spent on evaluation (tests, quiz and		2		2	
final exam)		2		Δ	
Projects and presentations.			1	1	
Total				124	
Teaching methodology		ough presentation. cises tasks and exac			
Assessment methods	The student can choose to be assessed one of the two forms assessment, given below: 1. Form 1: Evaluation with test and the Graphic tasks 2. Form 2: Evaluation of the final exam.			the two forms of	
	graphic task"	orm of assessment the student is assuring the lectures:			
	 Test (70%), individual assessment Class activity (10%), individual assessment Graphic task (20%), individual assessment. 				
	If the studen	Additional clarification: If the student in each activity above reaches the maximum points, then he will be evaluated with 100 points.			
	assessment, a exam. Only achieved acco	pass the examere released from the student is cording to form 1, a higher grade.	the obligation not satisfied	to take the final with the grade	
	Form 2:				
	exam", the st after the end o	d form of evaluati udent will undergo of the course lectur termined by the Un	o the exam w es and is orga	hich will be held nized in the exam	
		final exam, the studing ints from the total		ve a maximum of	
	2. Class	exam (70%), indivi activity (10%), ind iic task (20%), indi	ividual assessi	ment	

	In the Test and the final exam, the evaluation of the students
	will be done through an evaluation form, which must be
	completed individually by the student. The evaluation form will
	contain the task of drawing the models in 2D during the
	test/exam time.
	Activity in the class means the student's engagement in dealing with the issues discussed in the class, during the lectures.
	Graphic Task (20%): it is an activity in which students apply
	the acquired knowledge in a concrete project. It is carried out
	by one student who is obliged to carry out the activity,
	document it, and present it to the subject professor.
	Rating:
	91-100 points – graded 10 (ten)
	81-90 points – graded 9 (nine)
	71-80 points – grade 8 (eight) 61-70 points – grade 7 (seven)
	51-60 points – grade 6 (six)
	0-50 points – The student repeats the exam.
The ratio of theory and	•
practice	60% theory with exercises and 40% laboratory work.
Literature	
Basic Literature	[1] Avdiu S. Vizatimi me kompjuter (AutoCAD 2008)
	[2] Lutolli Z. Konjufca E, Autocad 2002
	[3] Avdiu S. Vizatimi me kompjuter (praktikum) 2005
Additional Literature	[4] Finkelstein E. AutoCAD 2013 and AutoCAD LT 2013 BIBLE.2012
	[5] TechASCEND PROJECTS VALENTINO J 2002.
Designed learning plan	[3] TECHASCEND I ROJECTS VALENTINO J 2002.
Week:	Lectures and exercises to be held
Week one	Introduction to AutoCAD. Absolute, relative and polar
	coordinates [2] page 26, 27 and 33.
Week two	Exercises [3] pages 5-14
Week three	Commands for defining the drawing area. Measuring system
	[1] page 23
	Exercises [3] pages 5-14
Week four	Draw Commands (Commands: Point, Line, Polyline, XLine,
***	Spline) [1] page 27-65
Week five	Draw Commands (Commands: Circle, Arc, Ellipse, Polygon)
W/a also siss	[1] page 27-65
Week six	Operational task with maus (Zoom, Extend, Pan, Move, Select).
Wools gover	Exercises [3] pages 5-14 Modify Commands (Commands Frage Comp. Armay Mirror)
Week seven	Modify Commands (Commands: Erase, Copy, Array, Mirror) [1] page 67-94
Week eight	Modify commands (Commands: Offset, Rotate, Trim, Extend)
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	[1] page 67-94
Week nine	Modify commands (Commands: Break, Chamfer, Fillet,
	<i>Devide</i>) [1] page 67-94
Week ten	Precise Drawing Point Determination (Object snap modes)
	(Criteria: Endpoint, Midpoint, Center, Quadrant, Intersection,
	Extension, Tangent) [1] page 149-162
Week eleven	Exercises [3] pages 27-35
Week twelve	Quoting commands (dimensioning of the object) (commands:
	Dimlinear, Dimaligned, Dimradius, Dimdiameter, Dimangular)
	[1] page 109-143
Week thirteen	Command for creating and editing texts. Tables.
	Commands for Hatching (Hatch) [1]
Week fourteen	Block creating and exploding, dimension editing.
	Plotting
Week fifteen	Repetition and completion of the course.
	Test

Academic policies and rules of conduct

Regular attendance of lectures and exercises is necessary, as well as active participation with discussion and solution of tasks. Not impeding the progress required for learning using mobile phones turned off or in silent mode.