C O U R S E G U I D E – s h o r t f o r m

Academic year 2024-2025

Course name[1]	**ARCHITECTURAL DESIGN TECHNOLOGY COMPUTER AIDED**					Course code		4ISI14DD-1	
Course type[2]	DID	Category[3]	DO	Year of study	II	Semester	4	Number of credit points	4

Faculty	MATERIALS SCIENCE AND ENGINEERING	Number of teaching and learning hours[4]					
Field	INDUSTRIAL ENGINEERING	Total	L	T	LB	P	IS
Specialization	Security Engineering in Industry	100	42	-	14	-	44

Pre-requisites from the curriculum[5]	Compulsory	Technical drawing
	Recommended	-Analytical geometry

General objective [6]	Provide students the necessary knowledge of the use of parameterized design software CAD-CAM (Solid Edge) absolutely useful in training young specialists
Specific objectives[7]	• Learning how to achieve drawing entities (curved, straight, flat surfaces, polygons); • Acquiring skills in using parametric design programs -with application-specific industrial engineering industrial safety engineering, • Familiarity with working algorithms of parametric design and spreadsheet required learning activities and operation of CAD / CAM systems complex. • Assembly drawings and 3D-2D conversion done.
Course description[8]	Entity drawing, sketching, drawing and parametric design, solid models -3D, protuzii, change volume entities, Solid Edge

Assesment			Sche-dule[9]	Percentage in the final grade (minimum grade)[10]
A. Final assessment form[11]: Colloquium	Class tests along the semester	20%	6th, 12th week	60% (minimum 5)
	Home works	%		
	Other activities	%		
	Examination procedures and conditions: 1 Treating a subject teoretic.- p = 30%; 2 Representation 2D (3D) of a piece - by sketch. P = 35%; 3. Creating a set or 3D-2D conversion. P = 35%.	80% (mini-mum 5)	Week 14	
B. Seminar	Activity during seminar			40% (minimum 5)
C. Laboratory	Acttvity during laboratory			% (minimum 5)
D. Project	Activityduringproject			% (minimum 5)

Course organizer	Professor Habil. PhD. Eng. Stefan Lucian TOMA	
Teaching assistants	Professor Habil. PhD.. Eng. Stefan Lucian TOMA	

[1]Course name from the curriculum
[2] DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)
[3] DI – imposed, DO –optional, DL – facultative (from the curriculum)
[4] Points 3.8, 3.5, 3.6a,b,c, 3.7 from the Course guide – extended form (L-lecture, T-tutorial, LB-laboratory works, P-project, IS-individual study)
[5] According to 4.1 – Pre-requisites - from the Course guide – extended form
[6] According to 7.1 from the Course guide – extended form
[7] According to 7.2 from the Course guide – extended form
[8] Short description of the course, according to point 8 from the Course guide – extended form
[9]For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period
[10]A minimum grade might be imposed for some assessment stages
[11]Exam or colloquium