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

Academic year 2017-2018

Course name[1]	**ARCHITECTURAL DESIGN TECHNOLOGY COMPUTER AIDED**					Course code		2ISI15DID	
Course type[2]	DID	Category[3]	DO	Year of study	II	Semester	3	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	42	14	-	14	-	14

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

Assessment			Schedule[9]	Percentage of the final grade (minimum grade)[10]
Continuous assessment	Class tests along the semester			%
	Activity during tutorials/laboratory works/projects/practical work		S2-S13	20%
	Assignments		S4; S7; S9	20%
Final assessment	Final assessment form[11]	Exam	Session	60%
	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%.			

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