

COURSE GUIDE – short form

Academic year 2018-2019

Course name ¹	ARCHITECTURAL DESIGN TECHNOLOGY COMPUTER AIDED/2ISI17DID					Course code	4ISI15DID		
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	-	72

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	<ul style="list-style-type: none"> • 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		Schedule ⁹	Percentage in the final grade(minimum grade) ¹⁰
A. Final assessment form ¹¹ :	Class tests along the semester	20%	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% (minimum 5)	
B. Seminar	Activity during seminar		% (minimum 5)
C. Laboratory	Acttivity during laboratory		40% (minimum 5)
D. Project	Activityduringproject		% (minimum 5)

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

¹Course name from the curriculum

²DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)

³DI – imposed, DO –optional, DL – facultative (from the curriculum)

⁴Points 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)

⁵According to 4.1 – Pre-requisites - from the Course guide – extended form

⁶According to 7.1 from the Course guide – extended form

⁷According to 7.2 from the Course guide – extended form

⁸Short description of the course, according to point 8 from the Course guide – extended form

⁹For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

¹⁰A minimum grade might be imposed for some assessment stages

¹¹Exam or colloquium