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]	**Computer-aided graphics (1)**					Course code		1ISI05	
Course type[2]	DF	Category[3]	DI	Year of study	1	Semester	1	Number of credit points	4

Faculty	Material Science and Engineering	Number of teaching and learning hours[4]					
Field	Industrial engineering	Total	L	T	LB	P	IS
Specialization	Safety engineering in industry	70	28	-	14	-	28

Pre-requisites from the curriculum[5]		
	Compulsory	- It's not necessary
	Recommended	- It's not necessary

General objective [6]	Obtaining competence in graphical representations in the field of industrial engineering.
Specific objectives[7]	• Proper interpretation of graphical representations in the field of industrial engineering. • Achieving quality graphic representations specific to the field of industrial engineering.
Course description[8]	Projection methods. Systems of double and triple orthogonal projections. Layout of projections. Projection layout systems. Slanted views. Sections, Fractures and Large Scale Detail Representation. Dimensioning. Sketch and scale drawing. Representation scales. Representation, dimensioning and marking of threads. Representation and dimensioning of flanges. Marking of tolerances and adjustments. Marking of Surface Condition. Assembly drawing. Geometric constructions. Drawing of semi-fabric. Representation and marking of joints by welding, gluing, sewing. Riveted joints.

Assessment			Schedule[9]	Percentage of the final grade (minimum grade)[10]
Continuous assessment	Class tests along the semester		Laboratory work sessions 4 and 5	50 %
	Activity during tutorials/laboratory works/projects/practical work			40 %
	Assignments			%
Final assessment	Final assessment form[11]	colloquium	Laboratory work session 7	10 %
	Examination procedures and conditions: 1. Sketch of a medium complexity mechanical piece; percent of the final grade 10 %			

Course organizer	Assistant Professor Phd.eng. Liviu Prună	
Teaching assistants	Lecturer.Phd.eng. Ion Antonescu	

[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