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]						Course code		1.ISI.05. DF	
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	Security Engineering in Industry	100	28	-	14	-	58

Pre-requisites from the curriculum[5]	Compulsory	-
	Recommended	-

General objective [6]	Obtaining competence in computer aided 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 for the field of mechanical 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. Assembly drawing. Geometric constructions. Drawing of semi-fabric. Representation and marking of joints by welding, gluing, and sewing. Riveted joints. Marking of tolerances and adjustments. Marking of Surface Condition.

Assessment			Schedule[9]	Percentage of the final grade (minimum grade)[10]
A. Final assessment form [11]: Exam / Colloquium	Class tests along the semester	50 %		60% (minimum 5)
	Home works	10 %		
	Other activities	10 %		
	Examination procedures and conditions: Drawing of a mechanical part of medium complexity	30% (minimum grade 5)		
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Acttvity during laboratory			40 % (minimum 5)
D. Project	Activity during project			% (minimum 5)

Course organizer	**Associate 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