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]	**Computer assisted graphics 2**					Course code		1.ISI.12.DF	
Course type[2]	DF	Category[3]	DI	Year of study	1	Semester	2	Number of credit points	6

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	150	28	-	42	-	80

Pre-requisites from the curriculum[5]		
	Compulsory	
	Recommended	Using the computer basic features and Windows operating system.

General objective [6]	• The association of knowledge, principles and methods from the technical sciences of Industrial Engineering with graphical representations in order to solve specific tasks: contingency plans, the significance and drawing of symbolic elements used in technics and buildings scheme, developing and updating plans for prevention and protection.
Specific objectives[7]	• Connecting technical thinking with the projection, in graphical space, of elements specific to health and safety at work, in such a way that professional projects containing industrial safety specifics can be graphically presented and understood. Representing an efficient possibility to estimate production and activity in optimal security and quality conditions.
Course description[8]	• Introduction • Plane and space geometric transformations • Viewing and managing objects used in ergonomic workspaces. • 3D Rendering: Wireframe Method • 3D Rendering: Surface modeling of objects that have application in work safety Graphical applications in Industrial Engineering

Assesment			Sche-dule[9]	Percentage in the final grade (minimum grade)[10]
A. Final assessment form [11]: Exam	Class tests along the semester	20%	Week 7	70%
	Home works	20%	Week 10	
	Other activities	-	-	
	Examination procedures and conditions: 1. Exam ticket with two subjects from the course; Oral exam.	60%	Exam period	
B. Seminar	Activity during seminar			-
C. Laboratory	Acttvity during laboratory			30%
D. Project	Activity during project			-

Course organizer	Associated professor, eng. Axinte Mihai	
Teaching assistants	Lecturer phd, eng. Pricop Bogdan Lecturer phd, eng. Chicet Daniela-Lucia	

[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