

COURSE GUIDE – short form

Academic year 2024-2025

Course name ¹	Computer Aided Design 1				Course code	2.EPI.19.DD-1			
Course type ²	DD	Category ³	DI	Year of study	2	Semester	4	Number of credit points	3

Faculty	Material Science and Engineering				Number of teaching and learning hours ⁴					
Field	Mechanical engineering				Total	L	T	LB	P	IS
Specialization	Industrial process equipments				75	28	-	28	-	19

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

General objective ⁶	Applying the basic principles and methods of technical design in computer aided design.
Specific objectives ⁷	<ul style="list-style-type: none"> • Use CAD programs to increase productivity and decrease the time required to design a new product or modify an existing product. • Facilitating communication with in interdisciplinary projects.
Course description ⁸	Lecture: Functions „Basic features”, Assembly Design Worbench, DraftingWorbench, Generative Sheetmetal Design Worbench, Generative Shape Design Worbench, Laboratory: Computer aideddedign of parts with the help of the “Basic features” functions, parts optimizations, Part Design, Draft Design, Generative Sheet Metal Degin, Generative Shape Degin, Recapitulative exercises.

Assesment			Sche- dule ⁹	Percentage in the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ :	Class tests along the semester	-	-	50%
	Home works	-	-	
	Other activities	-	-	
	Examination procedures and conditions: 1. Exam ticket with two subjects from the course; Oral exam.	100%	week 14	
B. Seminar	Activity during seminar			-
C. Laboratory	Acttvity during laboratory			50%
D. Project	Activity during project			-

Course organizer	Associate professor phd. eng. Axinte Mihai
Teaching assistant	Associate professor phd. eng. Axinte Mihai

¹Course name from the curriculum

² DF – fundamental, DD – 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

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

¹¹ Exam or colloquium