

# COURSE GUIDE – short form

Academic year 2021-2022

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

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

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

General objective <sup>6</sup>	Applying the basic principles and methods of technical design in computer aided design.
Specific objectives <sup>7</sup>	<ul style="list-style-type: none"> <li>• Use CAD programstoincreaseproductivityanddecreasethetimerequiredto design a new product or modify an existing product.</li> <li>• Facilitatingcommunicationwithininterdisciplinaryprojects.</li> </ul>
Course description <sup>8</sup>	Lecture: Functions „Basic features”, Assembly Design Worbench, DraftingWorbench, Generative Sheetmetal Design Worbench, Generative Shape Design Worbench, Laboratory: Computer aideddedign of partswiththehelp of the “Basic features” functions, partsoptimizations, Part Design, Draft Design, Generative Sheet Metal Degin, Generative ShapeDegin, Recapitulative exercises.

Assesment			Schedule <sup>9</sup>	Percentage in the final grade (minimum grade) <sup>10</sup>
A. Final assessment form <sup>11</sup> :	Class tests along the semester	-	-	50%
	Home works	-	-	
	Otheractivities	-	-	
	Examination procedures and conditions: 1. Exam ticket with two subjects from the course; Oral exam.	100%	Exam period	
B. Seminar	Activityduring seminar			-
C. Laboratory	Acttivityduringlaboratory			50%
D. Project	Activityduringproject			-

Course organizer	Lecturerphd, eng. Axinte Mihai	
Teaching assistant	Lecturerphd, eng. Axinte Mihai	

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<sup>1</sup>Course name from the curriculum

<sup>2</sup>DF – fundamental, DD – in the field, DS – specialty, DC – complementary (from the curriculum)

<sup>3</sup>DI – imposed, DO –optional, DL – facultative (from the curriculum)

<sup>4</sup>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)

<sup>5</sup>According to 4.1 – Pre-requisites - from the Course guide – extended form

<sup>6</sup>According to 7.1 from the Course guide – extended form

<sup>7</sup>According to 7.2 from the Course guide – extended form

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

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

<sup>10</sup>A minimum grade might be imposed for some assessment stages

<sup>11</sup>Exam or colloquium