

# COURSE GUIDE – short form

Academic year 2024 - 2025

Course name <sup>1</sup>	<b>ASSISTED DESIGN BY COMPUTER (3)</b>					Discipline code	<b>3 EPI 07</b>			
Course type <sup>2</sup>	<b>DS</b>	Category <sup>3</sup>	<b>DO</b>	Year of study	3	Semester	<b>6</b>	Number of credit points	<b>4</b>	

Faculty	Material Science and Engineering					Number of teaching and learning hours <sup>4</sup>					
Field	Mechanical Engineering					Total	L	T	LB	P	IS
Specialization	EPI					<b>100</b>	<b>28</b>	<b>-</b>	<b>14</b>	<b>14</b>	<b>44</b>

Pre-requisites from the curriculum <sup>5</sup>	Compulsory	-
	Recommended	-

General objective <sup>6</sup>	The discipline proposes the making of relation between sistematic thinking and aplicative and theoretic side
Specific objectives <sup>7</sup>	Based on simulation models can be realized functional simulations, which raise the qualitative level of students knowledges; the realization of this kind of project allows then a better integration in practice
Course description <sup>8</sup>	Physical bases of heat treatments. Notions regarding technology and heat treatment equipments. Notions regarding preliminary and final heat treatments. Assisted projected software. Notions regarding assisted pc projection of heat treatment technology

Assessment		Schedule <sup>9</sup>		Percentage of the final grade (minimum grade) <sup>10</sup>
A. Final assessment form <sup>11</sup> exam	Class tests along the semester	%	week	50 % (minimum 5)
	Home works	%		
	Other activities	%	week	
	Examination procedures and conditions: 1. Subject with open questions, working conditions oral, percent 50 %; 2. -, working conditions -, percent %; 3. -, working conditions -, percent %	100% (minimum 5)	exam period	
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Acttivity during laboratory			25 % (minimum 5)
D. Project	Activity during project			25 % (minimum 5)
Course organizer	<b>Lecturer Ph.D. Eng Bălțatu Mădălina Simona</b>			
Teaching assistants	<b>Lecturer Ph.D. Eng Bălțatu Mădălina Simona</b>			

<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