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]	THERMOTECHNICS						Course code	2.EPI.07.DD.		
Course type[2]	DID	Category[3]	DI	Year of study	2	Semester	2	Number of credit points	4	

Faculty	Material Science and Engineering	Number of teaching and learning hours[4]					
Field	Mechanical Engineering	Total	L	T	LB	P	IS
Specialization	Equipment for Industrial Processes	100	28		28		52

Pre-requisites from the curriculum[5]		
	Compulsory	- MATHEMATICS, PHYSICS, CHEMESTRY
	Recommended	MOLECULAR PHYSICS THERMODYNAMICS

General objective [6]	BASIC OF THERMODYNAMICS AND HEAT TRANSFER
Specific objectives[7]	APLICATIONS. GRAPHICS, NOMOGRAMS, DIAGRAMS.RESULTS INTERPRETATION.OTHER.
Course description[8]	FUNDAMENTALS.FIRST PRINCIPLE.SECOND PRINCIPLE.PERFECT GASES.REAL GASES. MOIST AIR. APLICATION OF PERFECT GASES: COMPRESSORS.MAIP.APLICATION OF REAL GASES: THERMAL INSTALLATIONS. FUNDAMENTALS OF HEAT TRANSFER: CONDUCTION. CONVECTION. RADIATION

Assesment			Sche-dule[9]	Percentage in the final grade (minimum grade)[90]
A. Final assessment form[11]: Exam	Class tests along the semester	%		50 %
	Home works	%		
	Other activities	%		
	Examination procedures and conditions:	100%		
B. Seminar	Activity during seminar			%
C. Laboratory	Acttvity during laboratory			50%
D. Project	Activity during project			%

Course organizer	Associated proffessor Ph eng. STADOLEANU OVIDIU VIRGIL	
Teaching assistants	Associated proffessor Ph eng. STADOLEANU OVIDIU VIRGIL	

[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
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[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