COURSE GUIDE - short form

Academic year 2024-2025

Course name ¹	WELDING MATERIALS TECHNOLOGY				Course	3ISI12DD-2			
Course type ²	DID	Category ³	DO	Year of study	3	Semester	6	Number of credit points	3

Faculty	Science and Engineering of Materials		Number of teaching and learning hours ⁴						
Field	Field Industrial Engineering		L	Т	LB	Р	IS		
Specialization	Specialization Safety Engineering in Industry		28		28		19		

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	Developing analysis/selection/synthesis abilities concerning various welding situations. Capability to identify / estimate related process risks on short/long term.					
Specific objectives ⁷	 Knowledge of different welding processes, their appliance domain, work parameters, specific hazardous. Specific phenomena and security/hygiene issues that arise. Peculiarities of different technical solutions on immediate or long term risk level. 					
Course description ⁸	Joining solutions (common welding processes and some relative rare processes), soldering, brazing: domains of appliance and limits, working parameters, parameters selection criteria. Specific effects of the welding processes on the work environment. Specific welding processes risks and safety procedures.					

	Sche- dule ⁹	Percentage of the final grade (minimum grade) ¹⁰		
	Class tests along the semester	%	-	
	Home works	%	-	
A 5 - 1	Other activities	%	-	
A. Final assessment form 11:	Examination procedures and conditions: Probe 1: Theoretical close ended questions, working conditions- ORALLY; Probe 2: Open ended questions, working conditions- ORALLY; Probe 3: Selecting one/ couple of welding processes for a given joining case, argued, ORALLY.	20% 30% 50%	14 th week	50 % (minimum 5)
B. Seminar	% (minimum 5)			
C. Laboratory	50 % (min. 5)			
D. Project	% (minimum 5)			

Course organizer	Lecturer Phd. Eng. Diana Antonia GHEORGHIU	
Teaching assistants	Lecturer Phd. Eng. Mihai POPA	

¹Course 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)
- 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