

COURSE GUIDE – short form

Academic year 2024 - 2025

Course name ¹	EQUIPMENT FOR FOUNDRIES (I)				Discipline code	3EPI11DS			
Course type ²	DS	Category ³	DI	Year of study	Semester	6	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	Equipment for industrial processes				75	28		14	14	19

Pre-requisites from the curriculum ⁵	Compulsory	The resistance of Materials. Machine Components.								
	Recommended	-								

General objective ⁶	Through its theoretical content and practical component, the course aims to provide an effective foundation for students to understand the technological equipment used in casting sections, and provide them with essential notions necessary for the design, construction, and operation of these devices.								
Specific objectives ⁷	Students should be able to solve technical problems related to the technological equipment for casting and have the essential information needed in projecting this type of equipment.								
Course description ⁸	The contents of the course are correlated with the overall objectives of the syllabus and take into account the professional competencies needed in the work with technical equipments for casting.								

Assessment		Schedule ⁹		Percentage of the final grade (minimum grade) ¹⁰	
A. Final assessment form ¹¹	Class tests along the semester		20 %	week 7	60 % (minimum 5)
	Home works		%		
	Oral examination		80 %	week 14	
B. Seminar	Activity during seminar				% (minimum 5)
C. Laboratory	Activity during laboratory				20% (minimum 5)
D. Project	Activity during project				20 % (minimum 5)
Course organizer	Lecturer Ph.D. eng. Viorel GRANCEA				
Teaching assistants	Lecturer Ph.D. eng. Viorel GRANCEA				

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

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