

COURSE GUIDE – short form

Academic year 2017 - 2018

Course name ¹	OBTAINING OF CASTINGS BY SPECIAL PROCEDURES					Codul disciplinei		5 TAIPM 02	
Course type ²	SIN	Category ³	DI	Year of study	1M	Semester	6	Number of credit points	6

Faculty	Material Science and Engineering	Number of teaching and learning hours ⁴					
Field	Materials Engineering	Total	L	T	LB	P	IS
Specialization	TAIPM	144	28	28	-	-	88

Pre-requisites from the curriculum ⁵	Compulsory	Not the case
	Recommended	Chemistry, Physics, Mathematics, Technical Drawing

General objective ⁶	Forming the ability of optimum evaluation and solutioning of problems concerning the advanced processing techniques by applying the concepts, theories and experimental methods, promoting the convergent and divergent logical reasoning and applying the values of engineering ethics in responsible task executing.
Specific objectives ⁷	Enlarging the knowledge relations between theoretical and technological subjects having as an object the technologies of obtaining and processing by casting of alloys focussing on methods and products with special characteristics.
Course description ⁸	Clasification of special casting procedures, types of metallic and combined moulds, influence of speed influence on the structure of castings, electric remelting under slag, casting in magnetic field, casting of duplex and triplex parts, casting under depression, continuos casting.

Assessment		Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰
Continuous assessment	Class tests along the semester -	week	%
	Activity during laboratory (open questions)	continuous	50 %
	Assignments -	week	%
Final assessment	Final assessment form ¹¹	exam	50 % (minimum 5)
	Examination procedures and conditions: 1. Subject with closed questions ; tasks answer to closed questions ; working conditions -; percent 50 %; 2. Subject with closed questions ; tasks answer to closed questions ; working conditions -; percent 50 %; 3. - ; tasks - ; working conditions -; percent %;		

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Teaching assistants	prof.dr.ing. Ioan CARCEA

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)

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