

# COURSE GUIDE – short form

Academic year 2017-2018

Course name	<b>PROPERTIES AND MATERIALS SELECTION (1)</b>					Course code	2IPM18DID		
Course type	DID	Category	DO	Year of study	2	Semester	3	Number of credit points	4

Faculty	Materials Science and Engineering	Number of teaching and learning hours						
Field	Materials Engineering	Total	L	T	LB	P	IS	
Specialization	Engineering of Materials Processing	42	28		14		54	

Pre-requisites from the curriculum	Compulsory	It is not necessary
	Recommended	It is not necessary

General objective	Knowledge, identification and utilization of the methods and equipment for testing, characterization and selection of materials.
Specific objectives	Knowledge of materials analysis methods in order to achieve the correlations between composition, structure, properties and uses of materials.
Course description	Properties of materials. Non-destructive testing of materials. Destructive testing of materials. Procedures for determining the composition and structure analysis.

Assessment		Schedule	Percentage of the final grade (minimum grade)
Continuous assessment	Class tests along the semester Multiple choice test	Week 7	10%
	Activity during laboratory Oral answers (open questions) Practical demonstration (using laboratory equipment)	Week 1-14	40%
	Assignments		-
Final assessment	Final assessment form	Colloquium	50%
	Examination procedures and conditions: 1. theoretical question; open questions of course, working conditions: oral; percent of the final grade: 30% 2. theoretical question; open questions of course, working conditions: oral; percent of the final grade: 30% 3. theoretical question; open questions in the lab, working conditions: oral; percent of the final grade: 40%		

Course organizer	Lecturer dr.eng. Monica LOHAN
Teaching assistants	Assistant Professor Ph.D., Constantin MIREA