

COURSE GUIDE : ENVIRONMENT MANAGEMENT IN METALLIC MATERIALS PROCESSING – s h o r t f o r m

Academic year 2017-2018

Course name ¹	ENVIRONMENT MANAGEMENT IN METALLIC MATERIALS PROCESSING					Course code	3IPM10D S		
Course type ²	DS	Category ³	DI	Year of study	IV	Semester	VII	Number of credit points	4

Faculty	Of Materials Science and Engineering	Number of teaching and learning hours ⁴						
Field	Materials Engineering	Total	L	T	LB	P	IS	
Specialization	Materials Processing Engineering	96	28	-	28	-	40	

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	To familiarize the students of the Faculty of Materials Science and Engineering with the main notions, approaches, methods and techniques used in environmental management.
Specific objectives ⁷	To capture the specifics of the main notions used in environmental management. To know the components of environmental management, its functions and the main mechanisms and tools used. Understand the role and importance of environmental management in organizations, also taking into account the phenomenon of globalization. To develop the students' capacity to design and draft an environmental policy and an environmental strategy, respectively. To develop the ability to synthesize and select the information needed to solve decisional situations regarding the choice and implementation of an environmental management system.
Course description ⁸	General Environmental Management Issues. Organizations in the field of metallic materials processing and the environment. Strategies and environmental policies in the field of metal processing. Legislative regulations on environmental protection in the material processing industry. Industrial environmental management systems. The main standards in industrial environment management. Implementation of an environmental management system according to the ISO 14001 standard.

Assessment		Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰
Continuous assessment	Class test along the semester , week 7	Weeks1-14	10%
	Activity during laboratory	Weeks1-14	30%(minimum 5)
	Assignments (It will be deliver a report in week 7 from topics of the course)	Weeks1-14	10%
Final assessment	Final assessment form ¹¹	Exam	50%(minimum 5)
	Examination procedures and conditions: oral exam 1. Subject 1 , 33%. percent 2. Subject 2 , 33%. percent 3. Subject 3 , 34%. percent		

Course organizer	Assoc. Prof. dr. eng. Nicanor CIMPOEȘU	
Teaching assistants	Assoc. Prof. dr. eng. Nicanor CIMPOEȘU	

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