

COURSE GUIDE – short form

Academic year 2017 - 2018

Course name ¹	CHEMISTRY					Course code	1ISI02DF			
Course type ²	DF	Category ³	DI	Year of study	1	Semester	1	Number of credit points	4	

Faculty	Material Science and Engineering	Number of teaching and learning hours ⁴					
Field	Industrial Engineering	Total	L	T	LB	P	IS
Specialization	Safety Engineering in Industry	70	28	-	14	-	28

Pre-requisites from the curriculum ⁵	Compulsory	-
	Recommended	-

General objective ⁶	The main objective of discipline involves learning, understanding and application of theoretical principles and specific practical Chemistry.
Specific objectives ⁷	<ul style="list-style-type: none"> - Theoretical and practical knowledge in chemistry, training and developing scientific thinking Chemistry and training and capacity building experimental investigation; - Presentation of basic theoretical concepts of Chemistry; - Develop the capacity to solve problems and exercises Chemistry; - Creation of skills in terms of practical work and experimental in Chemistry laboratory; - Develop the capacity assessment and evaluation of the results achieved by students in a given period of time.
Course description ⁸	Chemistry - basic knowledge of nature and its role in preparing engineer. Basics of: atomic structure, chemical bonding, class of inorganic substances, electrochemistry, water, general concepts of organic chemistry, natural and synthetic macromolecular compounds.

Assessment		Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰
Continuous assessment	Class tests along the semester		-
	Activity during tutorials/ laboratory works/projects/practical work		Every two weeks
	Assignments		-
Final assessment	Final assessment form ¹¹	Colloquy	Week 14
	Examination procedures and conditions: 1. Colloquium: answer the exam; Tasks: treatment of theoretical issues and solving problems and exercises calculation; Working conditions: oral exam; proportion: 50 %		50 % (minim 5)

Course organizer	Professor PhD Chem. Margareta Gabriela CIOBANU
Teaching assistants	Prof. Dr. Chim. Margareta Gabriela CIOBANU

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