

A COURSE GUIDE – short form

Academic year 2017-2018

Course name ¹	Tribology					Course code	2ISI15DID			
Course type ²	DO	Category ³	DO	Year of study	II	Semester	3	Number of credit points	4	

Faculty	MATERIALS SCIENCE AND ENGINEERING					Number of teaching and learning hours ⁴					
Field	INDUSTRIAL ENGINEERING					Total	L	T	LB	P	IS
Specialization	Security Engineering in Industry					42	14	-	14	-	14

Pre-requisites from the curriculum ⁵	Compulsory	Mechanics, Mechanisms, Resistance to Materials
	Recommended	Technical drawing

General objective ⁶	It provides students with the necessary knowledge to design and analyze the tribological surfaces, absolutely useful in training young specialists
Specific objectives ⁷	<ul style="list-style-type: none"> • Understanding the way entities are created • Achieving skills in tribological surface analysis • Achieving skills in the design of tribological surfaces.
Course description ⁸	Definition and characterization of wear patterns; Defining and characterizing elements specific to friction types

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	S2-S13	20%
	Assignments	S4; S7; S9	20%
Final assessment	Final assessment form ¹¹	Exam	60%
	Examination procedures and conditions: Treating three theoretical subjects		

Course organizer	Associate Professor Eng Toma Stefan Lucian
Teaching assistants	Assist. Professor Eng Toma Stefan Lucian

¹Course name from the curriculum

²DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)

³DI – imposed, DO – optional, DL – facultative (from the curriculum)

⁴Points 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)

⁵According to 4.1 – Pre-requisites - from the Course guide – extended form

⁶According to 7.1 from the Course guide – extended form

⁷According to 7.2 from the Course guide – extended form

⁸Short description of the course, according to point 8 from the Course guide – extended form

⁹For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

¹⁰A minimum grade might be imposed for some assessment stages

¹¹Exam or colloquium