COURSE GUIDE – short form

Academic year 2016-2017

Course name ¹	Electrical Engineering and Electric drivers					Course	2EPI10D	2EPI10DID	
Course type ²	DID	Category ³	DI	Year of study	II	Semester	4	Number of credit points	3

Faculty	Material Science and Engineering	Number of teaching and learning hours ⁴			ning		
Field	Mechanical Engineering	Total	L	Т	LB	Р	IS
Specialization	n Equipment for industrial processes		28	-	14	-	30

Pre-requisites from the	Compulsory	Mathematics, Physics
·	Recommended	Using computer programs

General objective ⁶	Discipline "Electrical Engineering and Electric drivers" aims to familiarize the SIM engineer with specific electrical engineering sizes, mathematical models used to study electric and magnetic circuits and methods for measuring electrical quantities.
Specific objectives ⁷	 The enunciation of concepts, theories and methods for carrying out basic work processes in conditions of safety and health at work, by identifying and assessing risks. Use basic knowledge (concepts, theories, methods) for carrying out the work processes in conditions of safety and health at work, by identifying and assessing risks. Following the discipline of Electrical Engineering ISI students specialization acquire their skills on: proper and efficient use and operation of various electrical installation of transformers and electrical machines.
Course description ⁸	Self evaluation of safety in the industry. DC circuits, AC circuits of single-phase and three-phase circuits, magnetic, electrical, transformers and electrical machines.

	Assessment	Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰		
Continuous	Class tests along the semester	Weeks 4 and 8	20%		
Continuous assessment	Activity during tutorials/laborate works/projects/practical work	pry	Weekly	30 %	
	Assignments		-	%	
	Final assessment form ¹¹	colloquium	Session		
Final assessment	Examination procedures and constraints of the second secon		50 %		

Course organizer	Lecturer Ph.D. Eng. Sebastian Teodor ARĂDOAEI	
Teaching assistants	Lecturer Ph.D. Eng. Sebastian Teodor ARĂDOAEI	

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)

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

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

 ¹⁰ A minimum grade might be imposed for some assessment stages
 ¹¹ Exam or colloquium