

COURSE GUIDE – short form

Academic year 2014-2015

Course name ¹	Lifting and transport installations					Course code	IM.412. DO.DS-1		
Course type ²	DS	Category ³	DO	Year of study	IV	Semester	8	Number of credit points	5

Faculty	Mechanical Engineering	Number of teaching and learning hours ⁴							
Field	Mechanical Engineering	Total	L	T	LB	P	IS		
Specialization	Mechanical Engineering	120	28			28	64		

Pre-requisites from the curriculum ⁵	Compulsory	Strength of Materials, Machine parts and mechanisms
	Recommended	Technical drawing, Study of materials

General objective ⁶	Familiarity with lifting and transport equipment
Specific objectives ⁷	<ul style="list-style-type: none"> • Assimilation of knowledge on the construction and operation of lifting and transport systems, emphasizing aspects of strength, rigidity and stability of the main types used
Course description ⁸	1. Cranes used in mechanical workshops 2. Cranes used in civil construction sites, warehouses and ports 3. Calculation and check cables and chains used in lifting equipment 4. Mechanical systems used for suspending loads 5. Operating and security assurance mechanisms 6. Cableway transport systems

Assessment		Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰
Continuous assessment	Class tests along the semester		%
	Activity during projects		weeks 1-14
	Assignments		weeks 1-14
Final assessment	Final assessment form ¹¹	exam	session
	Examination procedures and conditions: Development and oral presentation of a topic in the project		40% (5)

Course organizer	S.L. dr. ing. Bogdan LEITOIU	
Teaching assistants	S.L. dr. ing. Bogdan LEITOIU	

¹ Course 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