

COURSE GUIDE – short form

Academic year 2014-2015

Course name ¹	The Operational Transport in Agriculture and Food Industry					Course code	MIAIA.411 .DO.DS-2		
Course type ²	DS	Category ³	DO	Year of study	IV	Semester	7	Number of credit points	4

Faculty	of Mechanics	Number of teaching and learning hours ⁴						
Field	Mechanical Engineering	Total	L	T	LB	P	IS	
Specialization	Machines and Equipments for Agriculture and Food Industry	42	28		14			

Pre-requisites from the curriculum ⁵	Compulsory	Mathematics, Physics
	Recommended	Strength of Materials, Machinery parts

General objective ⁶	Acquiring concepts on the construction and exploitation of lifting and transport machinery used in agriculture and food industry
Specific objectives ⁷	The study from construction and operation of high apparatus and machines. The study of the transport installations in agriculture and food industry. Acquiring the specific notion to high machines and transport installations
Course description ⁸	General terms of machinery and operational transport installations. Machinery and lifting equipment. The main technical parameters of machinery and lifting equipment. Verifying calculation of the lifting machinery and equipment. Flexible Organs for lift and traction. Organs to guide and drive cables and chains. Organs and devices for suspending and grasping task. The blocking and braking organs. Organ for movement. Machinery and equipment lifting mechanisms. Constructive types of machinery and lifting equipment Machinery and continuously transport installations. Conveyors with flexible traction organ . Conveyors without flexible traction organ.

Assessment			Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰
Continuous assessment	Class tests along the semester		Week 9	20 %
	Activity during tutorials/laboratory works/projects/practical work		Week 1-13	30 %
	Assignments			%
Final assessment	Final assessment form ¹¹	colloquy	Week 14	50 %
	Examination procedures and conditions: 1. Evaluation test of knowledge; percentage 50 %			

Course organizer	Ioan BĂISAN Assoc.Prof. PhD	
Teaching assistants	Ioan BĂISAN Assoc.Prof. PhD	

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