

COURSE GUIDE – short form

Academic year 2014-2015

Course name ¹	Special vehicles					Course code		AR.414.D O.DS -2	
Course type ²	DS	Category ³	DO	Year of study	IV	Semester	8	Number of credit points	5

Faculty	of Mechanical Engineering	Number of teaching and learning hours ⁴					
Field	Automotive Engineering	Total	L	T	LB	P	IS
Specialization	Automotive Vehicles	126	28		28		70

Pre-requisites from the curriculum ⁵	Compulsory	Hydraulic and pneumatic road vehicles; Construction and calculation 1,2
	Recommended	Vehicles Dynamics

General objective ⁶	Sending the students to concepts related to the construction and operation of vehicles and installations
Specific objectives ⁷	The construction and operation of special installations mounted on special vehicles and their knowledge of functional processes.
Course description ⁸	The course includes the following major sections: Hydraulic –Actionary used in special vehicles (pumps, hydraulic motors, distribution equipment, control and pneumatic control-used special vehicles(compressors, air treatment, pressure regulators, flow control, distribution, execution pneumatic elements, mufflers and pipes, special vehicles (cranes, vehicles for interventions in electricity networks, vehicle maintenance and repair of roads, refrigerating vehicles

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			20%
	Assignments			30%
Final assessment	Final assessment form ¹¹			50%
	Examination procedures and conditions: 1. ; tasks ; working conditions ; percent of the final grade % 2. ; tasks ; working conditions ; percent of the final grade % 3.			

Course organizer	Professor, PhD. Eng. Edward RAKOSI	
Teaching assistants	Lecturer, PhD. Eng. Sorinel Gicu TALIF	

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