

# COURSE GUIDE – short form

Academic year 2014 – 2015

Course name <sup>1</sup>	Diagnosis road vehicles					Course code	AR.415.DO.DS-1		
Course type <sup>2</sup>	DS	Category <sup>3</sup>	DO	Year of study	IV	Semester	8	Number of credit points	5

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

Pre-requisites from the curriculum <sup>5</sup>	Compulsory	Processes in ICE for a road vehicle
	Recommended	Calculation and construction of road vehicles

General objective <sup>6</sup>	Knowledge and use of modern diagnostic procedures and verifications carried out in specialist centers specific to vehicle defects detecting without removing them and how to restore normal technical condition of the existing solutions that ensure the correct operation of vehicles, road safety fuel economy, etc.
Specific objectives <sup>7</sup>	<ul style="list-style-type: none"> <li>Course content covers modern diagnostic procedures and verifications carried out in specialist centers specific for detecting defects vehicle without removing them and how to restore normal technical condition of the existing solutions that ensure the correct operation of motor vehicles, road safety, fuel economy, etc ..</li> </ul>
Course description <sup>8</sup>	<p>Content (descriptors)</p> <p>The course includes the following major sections:</p> <ul style="list-style-type: none"> <li>- General aspects of causal relationship: Diagnostic - wear cars: Diagnostics - engine wear</li> <li>-Diagnosing engine</li> <li>-Diagnosing transmission</li> <li>-Diagnosis direction</li> <li>-Diagnosis of rolling elements</li> <li>-Diagnosis suspension</li> <li>-Brake System Diagnosis</li> <li>-Diagnosis Wiring</li> </ul>

Assessment			Schedule <sup>9</sup>	Percentage of the final grade (minimum grade) <sup>10</sup>
Continuous assessment	Class tests along the semester			%
	Activity during tutorials/laboratory works/projects/practical work		Week 1 - Week14	20%
	Assignments		Week 1 - Week14	30%
Final assessment	Final assessment form <sup>11</sup>	Exam	Session	50%
	Examination procedures and conditions: 1. ; tasks ; working conditions ; percent of the final grade 50% 2. ; tasks ; working conditions ; percent of the final grade 50%			

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

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<sup>1</sup> Course name from the curriculum

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

<sup>3</sup> DI – imposed, DO – optional, DL – facultative (from the curriculum)

<sup>4</sup> 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)

<sup>5</sup> According to 4.1 – Pre-requisites - from the Course guide – extended form

<sup>6</sup> According to 7.1 from the Course guide – extended form

<sup>7</sup> According to 7.2 from the Course guide – extended form

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

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

<sup>10</sup> A minimum grade might be imposed for some assessment stages

<sup>11</sup> Exam or colloquium