

Course Unit Descriptor

Study Programme: Mechanization and Construction Engineering			
Course Unit Title: Motor Vehicle Equipment			
Course Unit Code: H2501			
Name of Lecturer(s): Dragan Ruzic			
Type and Level of Studies: Master level			
Course Status (compulsory/elective): compulsory			
Semester (winter/summer): winter			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 4			
Prerequisites: None			
Course Aims: Acquiring knowledge on motor vehicle equipment, excluding their driving aggregate – engine.			
Learning Outcomes: Multidisciplinary engineering knowledge in the field of general vehicle equipment, especially in the field of modern car electrics and electronics, necessary for independent work in automobile industry.			
Syllabus: Definition and classification of motor vehicle equipment. Equipment for reduction of noise and mechanical oscillations of vehicles. Equipment of normalization of micro climate in the cabin. Vehicle electric system. Equipment for assuring good visibility from the vehicle. Equipment for light and audio signalization. Indicators and measurement devices. Airbags. Systems for protection of pedestrians. Specific mechatronic vehicle equipment.			
Required Reading: Relevant literature in English, tbd			
Weekly Contact Hours: 4	Lectures: 2		Practical work: 2
Teaching Methods: Teaching forms: Lectures, practical classes, fairs and companies visits, consultations.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Group assignment		Examination Assignment	
Exercises			
Test			
Test			
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			