



1. Subject name	Road safety, legislative environment, human factors				
2. Subject name in Hungarian	Közlekedésbiztonság, jogi környezet, emberi tényezők				
3. Code	BMEKOGGM653	4. Evaluation type	exam grade	5. Credits	4
6. Weekly contact hours	2 (10) Lecture	0 (0) Practice	2 (11) Lab		
7. Curriculum	Vehicle Engineering MSc (J)	8. Role	Specialization (sp) at Vehicle Engineering MSc (J)		
9. Working hours for fulfilling the requirements of the subject					120
Contact hours	56	Preparation for seminars	18	Homework	12
Reading written materials	18	Midterm preparation	6	Exam preparation	10
10. Department	Department of Automotive Technologies				
11. Responsible lecturer	Dr. Török Árpád				
12. Lecturers	Dr. Melegh Gábor, Dr. Török Árpád, Vida Gábor				
13. Prerequisites					
14. Description of lectures					
Legal knowledge: Summary of constitutional law, civil and procedural law, criminal law, criminal procedural law, traffic offenses, basic compensation issues. Human factors in transport: Personal characteristics, behavioral forms, health protection, age-related problems, weather effects, seasons, specifically related issues of vegetation and fauna, wild animal related issues. Injuries: Human body, physiological features, injury classification, accident investigation in the face of personal injury, blood alcohol tests, examples of medical accident analysis work.					
15. Description of practices					
16. Description of laboratory practices					
In connection with the topics discussed, students can gain practical experience at external locations and institute visits and deepen their knowledge.					
17. Learning outcomes					

**A. Knowledge**

- The student is familiar with the legal framework needed to understand the legal environment of road safety;
- The student has to know the basic components of the process of legislation and law enforcement;
- The student has to know the basic purpose and means of transport law;
- The student has to know the online and printed aids and applications needed to apply traffic law.

**B. Skills**

- The student is able to interpret the related legislation;
- The student is able to apply and use relevant traffic laws;
- The student is able to support the law-making and regulating processes.

**C. Attitudes**

- The student aims to maximize their abilities by making their studies at the highest possible level, proficient and independent;
- The student aims to cooperate with the instructor and the other students to improve knowledge;
- The student aims to continue to improve the knowledge of the material parts of the lessons through continuous independent learning;
- The student aims to use the information technology and computing tools (word processing computer software, mathematical software, image editing software, etc.), but also seeks to use classical devices (paper, ruler, pencil, hand-held calculator, editing, etc.);
- The student aims to get to know and routinely use the tools needed to solve the tasks;

- The student aims to provide accurate, error-free and precise work.

#### D. Autonomy and Responsibility

- The student is responsible for setting an example for the other students regarding the quality of its work and ethical standards;
- The student applies the knowledge acquired during the course in a responsible manner with regard to their validity limits;
- The student accepts openly the grounded critical remarks;
- The student accepts the framework for cooperation, can do its job independently or as part of a team, depending on the situation.

### 18. Requirements, way to determine a grade (obtain a signature)

During the semester 1 midterm test has to be completed with more than 50 % of the maximal points.

The conditions for obtaining the signature are the completing the midterm test, attending all labs and submitting the homework on accepted level.

Final outcome of the subject is defined by the result of the mid-term exam in 30% proportion, the homework in 20% proportion, and the final exam in 50% proportion. All requirements have to be fulfilled to successfully finish the subject.

### 19. Opportunity for repeat/retake and delayed completion

The midterm test can be retaken once. The homework can be delivered once additionally. One lab can be done once additionally.

### 20. Learning materials

Slides and presentation notes

<b>Effective date</b>	10 October 2019	<b>This Subject Datasheet is valid for</b>	Inactive courses
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