



1. Subject name	Artificial Intelligence vehicles homologation process PhD				
2. Subject name in Hungarian	Mesterséges Intelligencia alkalmazások homologációs folyamatai és mérései				
3. Code	BMEKOGGD803	4. Evaluation type	exam grade	5. Credits	2
6. Weekly contact hours	2 (0) Lecture	0 (0) Practice	0 (0) Lab		
7. Curriculum	PhD Programme	8. Role	Specific course		
9. Working hours for fulfilling the requirements of the subject					74
Contact hours	28	Preparation for seminars	14	Homework	5
Reading written materials	5	Midterm preparation	22	Exam preparation	0
10. Department	Department of Automotive Technologies				
11. Responsible lecturer	Dr. Zöldy Máté				
12. Lecturers	Dr. Zöldy Máté				
13. Prerequisites					
14. Description of lectures					
Opportunities for developing technical intelligence, machine learning and neural networks. Novel challenges and innovative solutions to the homologation process. Self-check process and the challenges of Automotive AI and the emergence of novel laws. Explore possible solutions to standardize AI vehicle evaluation. Development of forecasts and forecasts.					
15. Description of practices					
16. Description of laboratory practices					
17. Learning outcomes					
A. Knowledge <ul style="list-style-type: none">• Is familiar with the images presented in the subject and the individual procedures of the internal relationships. B. Skills <ul style="list-style-type: none">• Capable of all procedures and research. C. Attitudes <ul style="list-style-type: none">• Openness to new opportunities in the field. D. Autonomy and Responsibility <ul style="list-style-type: none">• Autonomy and responsibility: a vehicle for solving research task.					
18. Requirements, way to determine a grade (obtain a signature)					
Knowing the curriculum and application of it. The exam is oral.					
19. Opportunity for repeat/retake and delayed completion					
There is one occasion to retake the exam.					
20. Learning materials					
Self developed materials from the department					
Effective date	27 November 2019	This Subject Datasheet is valid for		Inactive courses	