Budapest University of Technology and Economics
Faculty of Transportation Engineering and Vehicle Engineer

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 labortory practices

17. Learning outcomes

A. Knowledge
  • Is familiar with the images presented in the subject and the individual procedures of the internal relationships.
B. Skills
  • Capable of all procedures and research.
C. Attitudes
  • Openness to new opportunities in the field.
D. Autonomy and Responsibility
  • 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