



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