



<b>1. Subject name</b>	<b>Measurement technologies of heat engines I.</b>				
<b>2. Subject name in Hungarian</b>	Hőerőgépek mérés technikája I.				
<b>3. Code</b>	<b>BMEKOGJD011</b>	<b>4. Evaluation type</b>	<b>exam grade</b>	<b>5. Credits</b>	<b>3</b>
<b>6. Weekly contact hours</b>	<b>3 (0) Lecture</b>	<b>0 (0) Practice</b>	<b>2 (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>90</b>
<b>Contact hours</b>	14	<b>Preparation for seminars</b>	14	<b>Homework</b>	12
<b>Reading written materials</b>	20	<b>Midterm preparation</b>	30	<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>	Objective of the subject is the description of laboratory test of heat-engines, especially the internal combustion engine, its propellant and lubricants.				
<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>• 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>	<p>2. Martyr, Plint: Engine Testing (The Design, Building, Modification and Use of Powertrain Test Facilities). 4. edition, Elsevier 2012.</p> <p>3. Kuratle: Motorenmesstechnik. Vogel Buchverlag, 1995.</p>				
<b>Effective date</b>	27 November 2019	<b>This Subject Datasheet is valid for</b>		Inactive courses	