



<b>1. Subject name</b>	<b>Reaction processes of internal combustion engines</b>				
<b>2. Subject name in Hungarian</b>	Belsőégésű motorok reakciófolyamatai				
<b>3. Code</b>	<b>BMEKOGJD013</b>	<b>4. Evaluation type</b>	exam grade	<b>5. Credits</b>	4
<b>6. Weekly contact hours</b>	2 (0) Lecture	0 (0) Practice	0 (0) Lab		
<b>7. Curriculum</b>	PhD Programme	<b>8. Role</b>	Basic course		
<b>9. Working hours for fulfilling the requirements of the subject</b>					<b>120</b>
<b>Contact hours</b>	28	<b>Preparation for seminars</b>	22	<b>Homework</b>	50
<b>Reading written materials</b>	0	<b>Midterm preparation</b>	0	<b>Exam preparation</b>	20
<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>					
Description of combustion and reaction kinetic processes taking place in internal combustion engines. For PhD students dealing with related research topics to combustion, effect of fuels and pollution formation in internal combustion engines.					
<b>15. Description of practices</b>					
<b>16. Description of laboratory practices</b>					
<b>17. Learning outcomes</b>					
A. Knowledge <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> B. Skills <ul style="list-style-type: none"><li>• Capable of all procedures and research</li></ul> C. Attitudes <ul style="list-style-type: none"><li>• Openness to new opportunities in the field</li></ul> D. Autonomy and Responsibility <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>					
The course ends with an oral examination.					
<b>19. Opportunity for repeat/retake and delayed completion</b>					
There is one occasion to retake the exam.					
<b>20. Learning materials</b>					
Warnatz, Maas, Dibble: Combustion, Springer, 2006					
<b>Effective date</b>	27 November 2019	<b>This Subject Datasheet is valid for</b>		Inactive courses	