



1. Subject name	Reaction processes of internal combustion engines				
2. Subject name in Hungarian	Belsőégésű motorok reakciófolyamatai				
3. Code	BMEKOGJD013	4. Evaluation type	exam grade	5. Credits	4
6. Weekly contact hours	2 (0) Lecture	0 (0) Practice	0 (0) Lab		
7. Curriculum	PhD Programme	8. Role	Basic course		
9. Working hours for fulfilling the requirements of the subject					120
Contact hours	28	Preparation for seminars	22	Homework	50
Reading written materials	0	Midterm preparation	0	Exam preparation	20
10. Department	Department of Automotive Technologies				
11. Responsible lecturer	Dr. Zöldy Máté				
12. Lecturers	Dr. Zöldy Máté				
13. Prerequisites					
14. Description of lectures					
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.					
15. Description of practices					
16. Description of laboratory practices					
17. Learning outcomes					
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>					
18. Requirements, way to determine a grade (obtain a signature)					
The course ends with an oral examination.					
19. Opportunity for repeat/retake and delayed completion					
There is one occasion to retake the exam.					
20. Learning materials					
Warnatz, Maas, Dibble: Combustion, Springer, 2006					
Effective date	27 November 2019	This Subject Datasheet is valid for		Inactive courses	