



1. Subject name	Road Telematic Systems				
2. Subject name in Hungarian	Közúti telematikai rendszerek PhD				
3. Code	BMEKOKUD023	4. Evaluation type	exam grade	5. Credits	3
6. Weekly contact hours	1 (0) Lecture	1 (0) Practice	0 (0) Lab		
7. Curriculum	PhD Programme	8. Role	Specific course		
9. Working hours for fulfilling the requirements of the subject					90
Contact hours	28	Preparation for seminars	4	Homework	30
Reading written materials	10	Midterm preparation	8	Exam preparation	10
10. Department	Department of Transport Technology and Economics				
11. Responsible lecturer	Dr. Tóth János				
12. Lecturers	Dr. Tóth János				
13. Prerequisites					
14. Description of lectures					
Defioniton of telematics and traffic management. The goals and classification of information and traffic influencing systems. The elements of intelligent transport systems. The application of satellite based communication in transportation. ITS on highways and in city transport. Information systems in private and public transport. Parking management in cities. Electronic data interchange (EDI) in transport.					
15. Description of practices					
Analysis and development of telematics systems in a choosen city.					
16. Description of labortory practices					
17. Learning outcomes					
A. Knowledge <ul style="list-style-type: none"> Familiar with types and features of road telematic systems, the relevant terms and standards. B. Skills <ul style="list-style-type: none"> Ability to classify road telematic systems. Able to elaborate the developments concepts of existing road telematic systems. C. Attitudes <ul style="list-style-type: none"> Strive to acquire the highest level of system approach. D. Autonomy and Responsibility <ul style="list-style-type: none"> Responsible applies of acquired knowledge in individual or in team work. 					
18. Requirements, way to determine a grade (obtain a signature)					
The criterion of the signature (and to take the exam) is to solve the chosen project till the deadline and to write the midterm exam at least an acceptable level. The exam is written.					
19. Opportunity for repeat/retake and delayed completion					
Second test possibility for those not present on the test, possibility of delayed deadline for home work.					
20. Learning materials					
Effective date	27 November 2019	This Subject Datasheet is valid for		Inactive courses	