



1. Subject name	Design of Transport Information Systems (PhD)				
2. Subject name in Hungarian	Közlekedési rendszertervezés (PhD)				
3. Code	BMEKOKUD007	4. Evaluation type	exam grade	5. Credits	3
6. Weekly contact hours	2 (0) Lecture	0 (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	8	Homework	8
Reading written materials	6	Midterm preparation	28	Exam preparation	12
10. Department	Department of Transport Technology and Economics				
11. Responsible lecturer	Dr. Mándoki Péter				
12. Lecturers	Dr. Mándoki Péter				
13. Prerequisites					
14. Description of lectures					
Transportation Information systems planning methods and techniques. Steps to survey, record, and analyze the information system. System concept and system design. Planning the change-over between information systems. Documentation of system design, presentation of documentation procedures. Analysis of complex system design procedures. SDM Methodologies, SSADM, Euromethod. Computer Supported Information System Design Procedures (CASE Tools). Agilis system planning methods.					
15. Description of practices					
16. Description of laboratory practices					
17. Learning outcomes					
A. Knowledge					
<ul style="list-style-type: none"> The student knows and understands transport system design process, know the different development methodologies. 					
B. Skills					
<ul style="list-style-type: none"> Ability to dealing with creative problems in the field of transport informaiton system and flexible solutions to complex tasks. Able to plan a complex information system, taking into account their operational aspects. Able to working in a group, sharing tasks and managing them over time. 					
C. Attitudes					
<ul style="list-style-type: none"> Engages in professional and ethical values related to the technical field, and works based on a system-oriented and process-oriented mindset, in a team-work. 					
D. Autonomy and Responsibility					
<ul style="list-style-type: none"> Make his decisions carefully, in consultation with representatives of other fields of expertise, with full responsibility. 					
18. Requirements, way to determine a grade (obtain a signature)					
Exam, which included the results of individual tasks 50% weighting.					
19. Opportunity for repeat/retake and delayed completion					
Unsuccessful task can be replaced during the replacement period					
20. Learning materials					
Uploaded materials to theMoodle System and the Department website.					
Effective date	27 November 2019	This Subject Datasheet is valid for		Inactive courses	