



1. Subject name	Transport Network Planning (models) (PhD)				
2. Subject name in Hungarian	Közlekedési hálózattervezés (modellek) (PhD)				
3. Code	BMEKOKUD008	4. Evaluation type	exam grade	5. Credits	3
6. Weekly contact hours	1 (0) Lecture	0 (0) Practice	1 (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	0	Homework	30
Reading written materials	10	Midterm preparation	12	Exam preparation	10
10. Department	Department of Transport Technology and Economics				
11. Responsible lecturer	Dr. Tóth János				
12. Lecturers	Dr. Tóth János, Aba Attila				
13. Prerequisites					
14. Description of lectures					
Transport network systems and their elements, the aim and process of transport network planning. The characteristics of transport demands. The elements of transport models, their application in network building. Transport network planning models: Trip generation, trip distribution, modal choice, traffic assignment. Detailed examination of traffic assignment models.					
15. Description of practices					
16. Description of labortory practices					
The software of Transport network planning is introduced.					
17. Learning outcomes					
A. Knowledge <ul style="list-style-type: none"><li>Familiar with goal and process of transport network planning.</li></ul> B. Skills <ul style="list-style-type: none"><li>Ability to use of VISUM software.</li></ul> C. Attitudes <ul style="list-style-type: none"><li>Strive to acquire the highest level of system approach.</li></ul> D. Autonomy and Responsibility <ul style="list-style-type: none"><li>Responsible applies of acquired knowledge in individual or in team work.</li></ul>					
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	