



1. Subject name	Passenger Transport Systems (PhD)				
2. Subject name in Hungarian	Személyközlekedési rendszerek (PhD)				
3. Code	BMEKOKUD021	4. Evaluation type	exam grade	5. Credits	3
6. Weekly contact hours	2 (0) Lecture	2 (0) Practice	0 (0) Lab		
7. Curriculum	PhD Programme	8. Role	Specific course		
9. Working hours for fulfilling the requirements of the subject					150
Contact hours	56	Preparation for seminars	15	Homework	34
Reading written materials	20	Midterm preparation	15	Exam preparation	10
10. Department	Department of Transport Technology and Economics				
11. Responsible lecturer	Dr. Csiszár Csaba				
12. Lecturers	Dr. Csiszár Csaba, Csonka Bálint, Földes Dávid				
13. Prerequisites					
14. Description of lectures					
General characterization of passenger transportation system. Classification of transportation modes – features, travel chains. Quality of passenger transportation services. Planning of parking, pedestrian and bicycle traffic. Car-sharing systems. Ride-sharing systems. Chauffeur services. Taxi service, ride-sourcing. Planning of public transport services. Operation of electric buses in public transportation.					
15. Description of practices					
Learn and practice the measurement, analysis and planning methods. Case studies. Independent literature research supported by consultations. Student presentations. The students elaborate four (individually and/or in teamwork) assignments. The task should be presented.					
16. Description of laboratory practices					
17. Learning outcomes					
A. Knowledge <ul style="list-style-type: none">• The students know structure and operation of passenger transportation systems. B. Skills <ul style="list-style-type: none">• They are able to analyse and design passenger transportation systems and operational processes. C. Attitudes <ul style="list-style-type: none">• The students strive for precise and errorless task accomplishment. D. Autonomy and Responsibility <ul style="list-style-type: none">• They apply the knowledge with responsibility.• They are able to work independently or in a team according to the situation (self-dependence).					
18. Requirements, way to determine a grade (obtain a signature)					
The students write 2 midterms (with theoretical and practical parts). The mid-semester signature is obtained if both midterms are passed (at least half of the maximal scores) and all four student assignments are submitted and accepted (at least half of the maximal scores). The semester is finished by oral exam.					
19. Opportunity for repeat/retake and delayed completion					
The midterms can be retaken according to TVSZ (study code). The student assignments can be submitted after deadline (if extra fee is paid).					
20. Learning materials					
ppt slides, Csaba Csiszár – Bálint Csonka – Dávid Földes: Innovative Passenger Transportation Systems (book) (2019)					
Effective date	27 November 2019	This Subject Datasheet is valid for		2024/2025 semester II	