



1. Subject name	Passenger transportation				
2. Subject name in Hungarian	Személyközlekedés				
3. Code	BMEKOKUM208	4. Evaluation type	exam grade	5. Credits	5
6. Weekly contact hours	2 (10) Lecture	0 (0) Practice	2 (11) Lab		
7. Curriculum	Transportation Engineering MSc (K)	8. Role	Specialization (sp) at Transportation Engineering MSc (K)		
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	Csonka Bálint, Földes Dávid				
13. Prerequisites					
14. Description of lectures					
Characterisation, attributes and planning method of passenger transportation systems. Classification of passenger transportation modes. Modelling the journey process in context of settlement structure. Creating travel chains. Multi-criteria analyses of passenger transportation systems. Quality assessment and service standards of passenger transportation. Planning of elements and processes of passenger transportation both in the individual and the public transport (e.g.: timetable). Implementation of intermodal and interoperable systems; passenger transport integrated by telematics tools. Sustainable transport planning, preconditions of the sustainability; soft mobility forms and their infocommunication support. Overview of the advanced, so called "transitional" passenger transportation modes (e.g. <a href="#">car-sharing</a> , bike-sharing, car-pooling, chauffeur service, demand responsive transport) in system and process-oriented approach.					
15. Description of practices					
16. Description of laboratory 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.					
17. Learning outcomes					
A. Knowledge <ul style="list-style-type: none"><li>The students know structure and operation of passenger transportation systems.</li></ul> B. Skills <ul style="list-style-type: none"><li>They are able to analyse and design passenger transportation systems and operational processes.</li></ul> C. Attitudes <ul style="list-style-type: none"><li>The students strive for precise and errorless task accomplishment.</li></ul> D. Autonomy and Responsibility <ul style="list-style-type: none"><li>They apply the knowledge with responsibility; they are able to work independently or in a team according to the situation.</li></ul>					
18. Requirements, way to determine a grade (obtain a signature)					
The students write 2 midterms (with theoretical and practical parts) and submit 4 student assignments. 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. The final mark contains the mid-semester performance in 50%.					
19. Opportunity for repeat/retake and delayed completion					

## 20. Learning materials

ppt slides, Csaba Csiszár – Bálint Csonka – Dávid Földes: Innovative Passenger Transportation Systems (book)

Effective date	10 October 2019	This Subject Datasheet is valid for	2024/2025 semester II
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