



Budapest University of Technology and Economics

Faculty of Transportation Engineering and Vehicle Engineering

1. Subject name	Transport Technology (PhD)				
2. Subject name in Hungarian	Közlekedési technológia (PhD)				
3. Code	BMEKOKUD003	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	20
Reading written materials	4	Midterm preparation	20	Exam preparation	10
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					
The subject of the course is to introduce and deepen the knowledge of road, rail and urban transport technology. Describe the processes of passenger and freight transport, the linkages between sectors and the division of labour. Technical parameters of road traffic. Special tools for urban public transport and their operation. Features of rail transport. Main, secondary and auxiliary processes of the railway operating system. Self-driving vehicles and automatic operation in public transport.					
15. Description of practices					
16. Description of labortory practices					
17. Learning outcomes					
A. Knowledge <ul style="list-style-type: none">The student knows and understands the characteristics, fields of application and planning techniques of each transport sub-sector. B. Skills <ul style="list-style-type: none">Ability to dealing with creative problems in the field of transport and flexible solutions to complex tasks.Able to plan technological processes, 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.In the case of team work, he also works with a well-defined 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		2024/2025 semester II	