



<b>1. Subject name</b>	<b>Transport operation</b>				
<b>2. Subject name in Hungarian</b>	Közlekedés üzemtan				
<b>3. Code</b>	<b>BMEKOKUM206</b>	<b>4. Evaluation type</b>	<b>exam grade</b>	<b>5. Credits</b>	<b>5</b>
<b>6. Weekly contact hours</b>	<b>2 (10) Lecture</b>	<b>2 (11) Practice</b>	<b>0 (0) Lab</b>		
<b>7. Curriculum</b>	<b>Transportation Engineering MSc (K)</b>	<b>8. Role</b>	<b>Mandatory (mc) at Transportation Engineering MSc (K)</b>		
<b>9. Working hours for fulfilling the requirements of the subject</b>					<b>150</b>
<b>Contact hours</b>	56	<b>Preparation for seminars</b>	12	<b>Homework</b>	27
<b>Reading written materials</b>	29	<b>Midterm preparation</b>	6	<b>Exam preparation</b>	20
<b>10. Department</b>	<b>Department of Transport Technology and Economics</b>				
<b>11. Responsible lecturer</b>	Dr. Mándoki Péter				
<b>12. Lecturers</b>	Dr. Mándoki Péter, Kózel Miklós, Soltész Tamás, Bánfi Miklós, Aba Attila				
<b>13. Prerequisites</b>	<b>recommended: KOKGM201 - Transport Economics</b> <b>recommended: KOKKM221 - Decision making methods</b>				
<b>14. Description of lectures</b>					
Process of planning transport establishment using methodological guides. Structure and Chapters of Feasibility Study and Preliminary Feasibility Study. Fit to the policy, evaluation of projects. Development of project variants, evaluation of variables and variations. Planning principles for bus stations, railway stations, airports. The concept of intermodality, the design and function of intermodal nodes. Establishing transfer links. Principles and aspects of universal design.					
<b>15. Description of practices</b>					
International and domestic, positive and negative examples of intermodal nodes. Consultation related to the design task.					
<b>16. Description of laboratory practices</b>					
<b>17. Learning outcomes</b>					
A. Knowledge					
• The student knows and understands the characteristics, fields of application and planning techniques of each transport sub-sector.					
B. Skills					
• Ability to dealing with creative problems in the field of transport and flexible solutions to complex tasks.					
• Able to plan an intermodal node, taking into account their operational aspects.					
• Able to working in a group, sharing tasks and managing them over time.					
C. Attitudes					
• 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					
• 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.					
<b>18. Requirements, way to determine a grade (obtain a signature)</b>					
Writing a midterm test, which accounts for 10% of the final mark. Preparation of a semester design task (intermodal nodal design), in team-work, which accounts for 90% of the final mark. The exam of this subject consists of presenting the design task.					
<b>19. Opportunity for repeat/retake and delayed completion</b>					
Unsuccessful test can be replaced during the replacement period. It is also possible to complete or supplement the desing task until the end of the replacement week.					
<b>20. Learning materials</b>					

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The presentation slides. The methodological guide. The planning manual

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**Effective date**

10 October 2019

**This Subject Datasheet is valid for**

2024/2025 semester I

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