



1. Subject name	City logistics				
2. Subject name in Hungarian	Városi logisztika				
3. Code	BMEKOALM244	4. Evaluation type	exam grade	5. Credits	5
6. Weekly contact hours	2 (10) Lecture	2 (11) Practice	0 (0) 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	12	Homework	15
Reading written materials	32	Midterm preparation	15	Exam preparation	20
10. Department	Department of Material Handling and Logistics Systems				
11. Responsible lecturer	Dr. Bóna Krisztián				
12. Lecturers	Dr. Bóna Krisztián, Bakos András, Sárdi Dávid				
13. Prerequisites	strong: KOKKM227 - Smart City				
14. Description of lectures					
The main types of transported goods in the city supply networks, the typical solutions of the building of the unit loads considering the requirements of the city supply systems. The definition of last mile problem. The rule of city logistics in the global logistics networks, the main types of the city supply chains. The role and the application of the traditional and the multi-modal transporting systems in the city supply chains. The typical solutions of the loading technologies, the loading machines and facilities in the city logistics. The rule and the development of logistics providers in the city supply chains, the typical logistics services in the city supply chains, the classification system of the logistics centres, the main levels of the city logistics networks. The technological solutions of the several logistics centres. The definition of the gateway conceptions, the determination and the function of the main network nodes. The integration of the city logistics functions in the gateway conception. The urban consolidation centres and the x-docks. The control and organization of city logistics in big cities. The technological and organization solutions of the city logistics, best practices worldwide. Application of modelling techniques in the organization and operation of the city logistics systems. Informatics in city logistics.					
15. Description of practices					
Practical presentation of modeling and methodological solutions described in the lectures through examples. Description of the practical task of planning a city network, preparing the homework.					
16. Description of laboratory practices					
17. Learning outcomes					
A. Knowledge <ul style="list-style-type: none">• Knowledge of the basics of building logistics networks.• Knowledge of logistics services and service centers.• Knowledge of city logistics methods. B. Skills <ul style="list-style-type: none">• Can design urban logistics networks. C. Attitudes <ul style="list-style-type: none">• Strive to maximize their abilities to make their studies at the highest possible level, with a profound and independent knowledge, accurate and error-free, in compliance with the rules of the applicable tools, in collaboration with the instructors. D. Autonomy and Responsibility <ul style="list-style-type: none">• Take responsibility for the quality of the work and the ethical standards that set an example for the classmates, using the knowledge acquired during the course					
18. Requirements, way to determine a grade (obtain a signature)					

final grade.

19. Opportunity for repeat/retake and delayed completion

The midterm test, the part-performance check and the final submission can both be resubmitted once.

20. Learning materials

Students can download the subject notes in pdf format via Moodle.

Effective date	10 October 2019	This Subject Datasheet is valid for	2023/2024 semester II
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