



1. Subject name	Supply and distribution processes				
2. Subject name in Hungarian	Ellátási-elosztási folyamatok				
3. Code	BMEKOALM240	4. Evaluation type	mid-term grade	5. Credits	2
6. Weekly contact hours	1 (3) Lecture	1 (4) 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					60
Contact hours	28	Preparation for seminars	6	Homework	15
Reading written materials	5	Midterm preparation	6	Exam preparation	0
10. Department	Department of Material Handling and Logistics Systems				
11. Responsible lecturer	Dr. Kovács Gábor				
12. Lecturers	Dr. Kovács Gábor, Lénárt Balázs				
13. Prerequisites	strong: KOALM225 - Material handling and warehousing processes				
14. Description of lectures					
The basics of organizing supply chains (SCM), enterprise logistics system. The organization of the material supplies, material analysis methods (ABC, XYZ), supply strategies (synchronized, by stocking, on request), material planning methods (Gozinto graph, BOM). The inventory systems and processes (rotation indicators), inventory valuation (FIFO), inventory model (EOQ). Distribution systems, demand forecasts (simple methods). Production logistics (MRP, APS, Kanban, Lean).					
15. Description of practices					
Application of supply chain analysis methods through practical examples, and preparation of the solution of the homeworks.					
16. Description of laboratory practices					
17. Learning outcomes					
A. Knowledge					
<ul style="list-style-type: none"> • Knowledge of basics related to supply chain systems. • Knowledge of basics involved in the analysis of supply chain systems. 					
B. Skills					
<ul style="list-style-type: none"> • Analyzes of supply chain systems. • Individual evaluation and proposal related to supply chain systems. 					
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"> • Takes 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)					
1 homework (50%), 1 test (50%)					
19. Opportunity for repeat/retake and delayed completion					
Homework can be resubmitted once. Test can be retaken 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		Inactive courses	