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 labortory practices

17. Learning outcomes

A. Knowledge
- Knowledge of basics related to supply chain systems.
- Knowledge of basics involved in the analysis of supply chain systems.

B. Skills
- Analyzes of supply chain systems.
- Individual evaluation and proposal related to supply chain systems.

C. Attitudes
- 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
- 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