

Óbuda University Bánki Donát Faculty of Mechanical and Safety Engineering				Insitute of Mechatronics and Vehicle Engineering			
Subject title and code: <i>Basic of Logistics, BMELME6BNF</i>				Credits: 4			
Full-time study 2026/2027 ac. 1 semester year							
The course is available at: mechatronical engineering							
Supervised by: Ildiko Molnar Ph.D		Instructors: Ildiko Molnar Ph.D					
Prerequisite (neptun code):							
Weekly number of lessons							
Lecture: e-learning		Group seminar: 2		Lab:		Consultation:	
Way of assessment: Midterm (Oral) mark							
Online consultation (in case it's required): ... (BBB link)							
Edu. goal: The objective is to create a logistic approach in students. Students learn the definition of logistics and the logistics approach. They deal with the weak points of corporate logistics and the aspects of selecting material handling systems. Various procurement tasks are also solved. They become familiar with the properties of material handling systems serving production types.							
Schedule							
Education week		Topics					
1.		The definition and key elements of logistics, logistic approach. The funtions of macrologistics (national management) and micrologistics (corporate)					
2.		Exercises - Procurement					
3.		Customer needs supported by logistics. Strategic goals of corporate logistics. Weak points and tasks of corporate logistics. The principles of choosing handling systems.					
4.		Exercises – Pareto method, ABC, XYZ					
5.		The features of handling systems related to different production types. The characterictics of handling systems related to the traditional production. Handling systems of the integrated production system					
6.		Exercises – inventori management					
7.		Target functions during handling processes. Logistics systems related to production, modernization of existing systems and development targets					
8.		Exercises – route planning					
9.		Planing processes. Graphic methods used during planning and documentation processes. Basic terms of warehouse technology, basic terms of packaging and identification of goods.					
10.		Exercises					
11.		Case studies					
12.		Student Presentations					
13.		Student Presentations					
14.							
Mid-semester requirements							
Test		Assignment to be submitted		Lab measurement			
amount	dates	amount	deadlines	amount	dates		
		1	12-13 week				
According to the HKR attendance of group seminars and lab exercises are mandatory.							
Other requirements for participation in sessions not covered by the regulations and restrictions on substitutions:							
Test		Assignment to be submitted		Lab measurement			
maximum points available	minimum score required to pass /test	maximum points available	minimum score required to pass / assignment	maximum points available	minimum score required to pass /lab		

...points	...points	...points	...points	...points	...points
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Total number of points achievable in semester: ...points				
Grading thresholds	satisfactory ... choose	average ... choose	good ... choose	excellent ... choose
Other evaluation criteria:				
Receive a signature denied entry: Who does not make a presentation.				
Required references: 1. Jerry Rudd: A Practical Guide to Logistics, eBook 2000 2. Moodle presentations				
Recommended references: 1. Gianpaolo Ghiani, Gilbert Laporte, Roberto Musmanno: Logistics System Management, Third Editon Wiley				
Quality assurance methods of the subject:		At the Institute's annual review meeting, the quality of course delivery is assessed on the basis of feedback from both instructors and students, its effectiveness is evaluated, and recommendations are made regarding any necessary modifications.		

Things, that are not included, can be found within the regulations of Óbuda University.