Course title: Theory of Warehouse Machines, Equipment and Loading Machines	**Neptun code:** **GEALT403a**
Course coordinator: Dr. Péter Telek, PhD., associated professor	
type and number of lesson: lecture/practical lesson 2+0 / week	
method of accountability: colloquium	
curriculum location of the subject: autumn	
pre-study conditions: -	
The task and purpose of the subject:	
Presentation of the theory of warehouse machinery and loading devices. Students attended this course gain knowledge on the planning, operation and application of warehouse machinery.	
Course description:	
Main types of warehousing methods. Principals and equipment for unit warehousing and the storing of bulk solids. Calculations for unit storing. Optimisation of unit warehousing processes. Problems occurring during unit warehousing. Dynamics of warehouse service devices. Calculations for storing of bulk solids. Analysis of loading processes of bulk solids.	
Required literature:	
[1] Kuliwiec, R. A.: Materials handling handbook, John Wiley and sons, New York, 1985. [2] David E. Mulcahy.: Warehouse Distribution and Operations Handbook. McGraw-Hill Handbooks, New York 1994.	
Recommended literature:	
[1] Hudson, W. G.: Conveyors and related equipment. John Wiley and sons, New York, 1954.	