Course title: Theory of material handling machines	**Neptun code:** **GEALT401a**
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: spring	
pre-study conditions: -	
The task and purpose of the subject:	
Presentation of planning and operation principals and methods of material handling machines. Students attended this course gain knowledge on the planning and operation of material handling machines.	
Course description:	
Theory and planning methods of mobile handling machines. Theory and planning methods of transport channels. Theory and planning methods of towing elements. Theory and planning principals of bulk solids handling. Operation problems and dynamical effects of material handling machines. Theory and planning methods of material handling systems.	
Required literature:	
[1] Kuliwiec, R. A.: Materials handling handbook, John Wiley and sons, New York, 1985. [2] Lévai I., Cselényi J.: Anyagozgatás és gépei I-II. Tankönyvkiadó. Budapest 1993. [3] Hudson, W. G.: Conveyors and related equipment. John Wiley and sons, New York, 1954.	
Recommended literature:	
[1] Vankó R.: Anyagmozgató gépek tervezési alapjai. Tankönyvkiadó. Budapest 1973. [2] McGlinchey (ed.): Bulk solids handling. Blackwell Publishing, Oxford 2008.	