

Course title: Transport and Storage of Bulk Materials	Neptun code: GEALT404a
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 types, characterisation, transport, loading and storage of bulk materials. Students attended this course gain knowledge on the planning of bulk solids handling and the problems occurring during their handling process.	
Course description:	
The most important types and characterisation of bulk solids. Principal rules of the moving and storing of bulk materials. Machines of the handling processes and the warehousing of bulk materials. Planning concepts and methods of transport and storage devices of bulk solids. Mathematical models of the analysis and optimisation of the handling processes and machines of different bulk materials.	
Required literature:	
<ul style="list-style-type: none"> [1] Kuliwicz, R. A.: Materials handling handbook, John Wiley and sons, New York, 1985. [2] McGlinchey (ed.): Bulk solids handling. Blackwell Publishing, Oxford 2008. 	
Recommended literature:	
<ul style="list-style-type: none"> [1] Hudson, W. G.: Conveyors and related equipment. John Wiley and sons, New York, 1954. 	