

Course title: Transportation-Forwarding	Neptun code: GEALT423-a
Course coordinator: Dr. Róbert Skapinyecz, PhD, associate professor	
type of lesson and number of lessons: lecture (2)	
method of evaluation: colloquium	
curriculum location of the subject: (autumn/spring semester): autumn and spring	
pre-study conditions (<i>if any</i>): -	
The task and purpose of the subject:	
<p>During the course, introducing the students to the system-oriented transport curriculum is essential for the application of the complex logistics approach. To enable students to use the knowledge of other subjects to solve the transport logistics tasks of goods and passenger transport. Introducing the students to the basic concepts and technologies utilized in cargo transportation and freight-forwarding.</p>	
Course description:	
<p>Traditional transport systems, rail freight transport, the principle of organization of rail transport means and their selection, traditional and combined versions of rail freight transport, the principle of the junction system, the general characteristics of road freight transport, its vehicles and the principle of their selection, the basic principles of the organization of road freight transport, the general characterization of water transport, the vehicle fleet of water transport, general rules of river and sea shipping, characteristics of shipping methods, general characteristics of air transport, application of Unit Load Devices in air transport, special containers, organizational versions of air freight traffic and passenger traffic, general characterization of pipeline transport, pipeline transport lines in Hungary. Combined transport systems, about combined transport in general, organization of combined transport, terminals and connection characteristics of combined transport traffic, general characteristics of container transport, types of containers, transport vehicles for large containers, loading of large containers, combined transport by road and rail (Roll on - Roll off, Load on - Load off systems), bimodal systems, road-water combined transport, Ro-Ro system combined transport, road-sea water transport, road-river combined transport, river-sea combined transport, international freight transport systems. The role of freight forwarding in the transport of goods, freight forwarding in general, logistical tasks in freight forwarding, types of shipping documents and their main information. The main knowledge related to the application of micro and macro level traffic simulations and their possibilities of use.</p>	
Required literature:	
<ol style="list-style-type: none"> 1. Roess, Roger P., Elena S. Prassas, and William R. McShane. Traffic engineering. Pearson/Prentice Hall, 2004. 2. Stroh, M. B.: A practical guide to transportation and logistics, Logistics Network Inc., 2006. 	
Recommended literature:	
<ol style="list-style-type: none"> 1. Fricker, J. D., & Whitford, R. K. (2004). Fundamentals of transportation engineering. A Multimodal Systems Approach. Inc. Upper Saddle River, New Jersey, USA. 	