

Transport and logistic – 5 semester

Lp.	Subject	Description	Semester	ECTS credits	Number of hours for the form of education						Form of passing	
					Lecture	Exercise	Practical classes	ZK	PS	PZ	Exam	Credit
1.	Forwarding	The aim is to familiarize students with the basic concepts and documents in the field of forwarding and to characterize the specific functioning of the TSL services market.	5	4	15	30	15				-	x
2.	Logistics Services	The aim of the course is to acquire knowledge, skills and competences in the field of concepts, issues, regularities and methods of solving problems of logistics services, as well as to discuss the outsourcing of logistics services.	5	4	15	30	15				-	x
3.	IT Systems in Transport	The aim is to show students the areas of use of IT systems in cargo transport and the benefits resulting from their use. Practical presentation of popular IT tools used in the enterprise: ERP, CRM systems and sample software dedicated to the transport sector. Discussion of the market of IT systems for the transport sector and the expected directions of development of IT systems used in	5	3	15	-	30				-	x

		transport companies operating on the international market.										
4.	Transport Infrastructure Management	Classes aimed at familiarizing students with theoretical and practical issues related to transport infrastructure, including presenting the level of development and functioning of transport infrastructure in selected countries. The student is to acquire skills in identifying infrastructure needs and assessing the functioning of the existing transport infrastructure on a macro and micro scale.	5	3	15	30	-				-	x
5.	Basics of Designing Engineering Structures	During the course, students will learn the most important terms and definitions used in bridge engineering and the basic principles of shaping communication engineering structures as well as Identifying the basic elements of bridge structures and elements of the technical equipment of typical engineering structures.	5	4	30	-	30				x	x
6.	Transport Point Infrastructure	The aim of the course is to familiarize students with the role of point infrastructure in the proper functioning of the transport network, to identify the basic elements of point infrastructure for land, sea and air transport, and to learn	5	4	30	-	30				x	x

		the general principles of shaping selected elements of point infrastructure.										
7.	Product Identification	During the classes, students will learn about methods of automatic identification of goods and other items; types of information carriers that can be automatically read, including barcodes, and students will also learn about devices used for automatic reading and processing of coded information.	5	3	15	-	30				-	x
8.	Proximity Cards	The student will learn about devices used for automatic reading and processing of encoded information; introduction to the types of information carriers that can be used for automatic reading of information. Providing students with basic knowledge about proximity cards, in terms of standards and applications.	5	3	15	-	30				-	x
9.	Diagnostics of Means of Transport	During the classes, students will learn about the theoretical and technical problems of diagnosing means of transport, as well as methods and ways of solving issues related to assessing their technical condition.	5	3	15	-	30				-	x
10.	Macroeconomics	The aim is to introduce basic concepts in the field of macroeconomics and to provide students with the ability to search for appropriate information in this field on the Internet in order to understand the causes of macroeconomic phenomena.	5	3	16	16	-				-	x
11.	Facilities Maintenance and Operation	The aim of the course is to learn the general principles related to the current maintenance and operation of	5	3	16	8	-				x	x

		point engineering structures, as well as to identify typical damages to concrete and steel structures. A parallel aim is to select adequate repair methods and to learn about the current formal requirements and guidelines recommended by the Minister of Infrastructure.										
12.	Logistics Customer Service	The aim of the course is to acquire knowledge, skills and competences in the field of concepts, issues, regularities and methods of solving problems of logistics services, as well as to discuss the outsourcing of logistics services.	5	4	15	15	15				x	x
13.	Intermodal Transport Technology	As a result of the course, the student will acquire basic knowledge of techniques and technologies used in intermodal transport systems. He is able to design, use and adapt a means of transport to transport intermodal landings.	5	2	15	15	-				-	x
	Total:			43 ECTS								