

SYLLABUS

1.	Course title	Transport and Distribution Planning
2.	Sector of studies	Transport Logistics / Business
3.	Credit value	<u>3</u> ECTS
4.	Lecturer	Berdymyrat Ovezmyradov, Ph.D. <i>Email:</i> Ovezmyradov.B@tsi.lv
5.	Pre-requisites	- Students should be able to use spreadsheet software (<i>Excel/LibreOffice</i> and <i>Google Sheets</i>) for problem-solving assignments. - Google account is required to create online documents.
6.	Aim of this course	To provide students with practical knowledge in the area of transport and distribution by means of examining issues related to logistics system design, including the physical transport system, performance indicators, carrier services, and investments. Teaching in this course emphasizes Project-Based Learning with a business game, online reporting, and simulations. The course features an innovative use of a serious game played by students to acquire a deeper knowledge of decision-making in logistics.
7.	Learning outcomes	After successful completion of the course, students are expected to demonstrate and utilize the following knowledge, skills, and competences. <u>Knowledge:</u> - Key areas and activities in movement of goods from manufacturing to consumers within supply chain operations. - Decision-making related to activities that create value by order fulfillment in the logistics field. <u>Skills:</u> - Evaluation of methods used in transportation, logistics and distribution. - Analysis of practical supply chain scenarios. - Carrier management including profitability, investments, consolidation, availability, and labor shortages. - Evaluation of alternatives for customer deliveries. - Problem-solving to achieve operational effectiveness in cost and service in the distribution. <u>Competences:</u> - Ability to apply tools of management science to supply and distribution problems. - Ability to coordinate logistics and marketing activities within corporate strategy.
8.	Assessment	<u>Weighting in the final grade:</u> - Attendance and active participation 50% - Project-based assignment 50% The lessons present content not contained in the lecture notes or other files on the online platform. Therefore, at least 70% class attendance is required.

9.	Scheduled activities	Description of face-to-face and virtual parts of the course
		During the first period of the course, only face-to-face lessons will be conducted. Google Drive and accompanying online documents will be used together with the host institution (TSI) access for all the participating students to its LMS Moodle (e.tsi.lv) platform. The platform will post all necessary study materials: presentations from online classes, lecture notes, quizzes, assignments, and additional materials for independent or online learning. In addition, Moodle's forum and messaging system will be utilized for announcements. A brief lecture will take place at the beginning of each lesson with the following practice. The main objective of the lectures will be to review theoretical concepts underlying choices made by managers in transport modes, routing, scheduling, and logistics investments. The practical part will be continuation of the lecturing with decision-making and review of the students' performance in a business game.
		During the virtual period of the course, online classes will be provided, based on the agreed schedule between partners. Importantly, video and audio communication during the virtual meetings will be conducted using the BBB (Big Blue Button) service integrated with Moodle, which will be published in the course. To join the online class, students shall enter the course and run the BBB. The theoretical (lecturing) part will cover the last topics of the course: distribution facilities, distribution channels, distribution management, information systems, transport markets, and supply chain concept. The main two objectives of the lectures will be to reveal role of information systems in the distribution and understanding of integration between separate areas of logistics (transport, warehousing, and inventory management). The virtual part of the course will conclude with summary of lessons learned during the business game.
10.	Independent studies	Independent work outside of lessons should approximately correspond to 60% of the total time that students spend on the coursework. Students should prepare for the next lecture in advance by reviewing project files and lecture notes.
11.	Literature/sources for studies	<u>Recommended textbooks</u> - Ivanov, D., Tsipoulaidis, A., Schönberger, J. (2017). <i>Global supply chain and operations management. A decision-oriented introduction to the creation of value.</i> - Gleissner, H., Femerling, J. C. (2013). <i>Logistics.</i>
12.	Other information	- Cheating and plagiarism could lead to failing grade and other disciplinary actions. - All individual assignments including homework and quizzes must be delivered independently by each student. - Students are expected to take the exams in closed book format. - Make-up exams are not guaranteed but possible upon request. - Assignments should be presented on due date; otherwise, grades would be lower for late submissions. - Scheduled consultation hours are available (to be announced) - Emails shall be answered within 48 hours under normal circumstances (excluding weekends and holidays). - The discussion forum and emails are preferable for asking questions related to the course. - Posting inappropriate content or private information of participants online is not allowed. DISCLAIMER: The schedule and assignments outlined in this syllabus are subject to change as per emergency circumstances, class progress, or by mutual agreement between the lecturer and the students. All changes will be announced prior to taking effect with a post on the online platform.