Basic information about the subject (independent of the cycle)

Module name	**Logistics management**
Erasmus code	
ISCED code	
Language of instruction	English
Website	
Prerequisites	Basic knowledge of logistics, fundamentals of management
ECTS points hour equivalents	**Contact hours (work with an academic teacher): 15** **Total number of hours with an academic teacher: 15** **Number of ECTS points with an academic teacher: 3** **Non-contact hours (students' own work): 10** **Total number of non-contact hours: 10** **Number of ECTS points for non-contact hours: 0** **Total number of ECTS points for the module: 3**
Educational outcomes verification methods	Practical exercises, project, presentation.
Description	The course covers the knowledge in the area of logistics management. The main modules include basic knowledge of logistics, logistics process management, demand forecast, supply planning, shipment and transportation scheduling, distribution center location. Theoretical knowledge gained during the classes will be supported by practical exercises. The course shows the importance of logistics in value creation and the role of information technology in supporting logistics process. The course will be supported by e-learning platform Virtual Campus.
Reading list	1.
Educational outcomes	**KNOWLEDGE** 1. Basics of logistics management 2. Methods used in logistic management 3. The characteristics of the most popular IT tools used in logistics management **SKILLS** 1. Using gained knowledge to design logistics processes and supply chains 2. Using selected methods and tools to analyze logistics processes 3. Logistics process optimization **ATTITUDES** 1. Awareness of technological progress and the rapid development of methods, techniques and tools used in logistic management 2. Willingness to learn new technologies 3. Awareness of the of the complexity of logistics management
Practice	• product design and visualization • demand forecast • supply planning • transportation planning • distribution center location

Information about classes in the cycle

Website	
Educational outcomes verification methods	Practical exercises, project, presentation.
Comments	The course will be supported by e-learning platform Virtual Campus.
Reading list	1. Coyle J., Supply chain management : a logistics perspective, Mason, South-Western Cengage Learning, 2009. 2. Harrison A., van Hoe R., Logistics management and strategy, Harlow : Financial Times Prentice Hall, 2008. 3. Ross D.F., Introduction to e-Supply Chain Management: Engaging Technology to Build Market-Winning Business Partnerships, CRC Press 2016. 4. Sople V., Logistics Management, Pearson India, 2012. 5. Voortman C., Global logistics management, Cape Town Juta Academic, 2004.
Educational outcomes	**KNOWLEDGE** 1. Basics of logistics management 2. Methods used in logistic management 3. The characteristics of the most popular IT tools used in logistics management **SKILLS** 1. Using gained knowledge to design logistics processes and supply chains 2. Using selected methods and tools to analyze logistics processes 3. Logistics process optimization **ATTITUDES** 1. Awareness of technological progress and the rapid development of methods, techniques and tools used in logistic management 2. Willingness to learn new technologies 3. Awareness of the of the complexity of logistics management
A list of topics	1. Basics of logistics 2. Introduction to logistic project 3. Product design 4. Demand forecast (exponential smoothing) 5. Supply planning (MRP method) 6. Transportation planning (Global Logistics Costs method) 7. Distribution center location (Gravity Center method) 8. Project summary
Teaching methods	Practical exercises, presentations, group work, e-learning.
Assessment methods	Project presentation, activity during the classes.