



RTU Course "LSCM European Dimension"

12111 Modelēšanas un imitācijas katedra

General data

Code	DMI712
Course title	LSCM European Dimension
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Post-graduate Studies
Course type	Academic
Field of study	Computer Science
Responsible instructor	Jurijs Merkurjevs
Academic staff	Jūlija Petuhova Jana Bikovska Oksana Soško
Volume of the course: parts and credits points	1 part, 2.0 Credit Points, 3.0 ECTS credits
Language of instruction	LV, EN
Possibility of distance learning	Not planned
Abstract	The course "LSCM European Dimension" is aimed at overviewing approaches and requirements to practical implementation of logistics and supply chain management methods in different European regions, in particular, in Latvia with special attention to used technologies (e.g., transportation, warehousing and material handling technologies). Students are introduced to the main LSCM players in Latvia and their level of development. Challenges and future trends in LSCM are discussed. Logistics infrastructure from different regions across Europe is considered. Organization of customs procedures and security requirements in supply chains are discussed.
Goals and objectives of the course in terms of competences and skills	Competences and skills demonstrated: understanding the state-of-the-art concerning regional LSCM implementation (in particular, in Latvia), ability to compare company-specific LSCM solutions (in particular, technological ones) and to relate them to the theory
Structure and tasks of independent studies	Independent studies are performed through preparing a report on a European logistic company (logistics functions, solutions, problems, challenges, and used technologies)
Recommended literature	1. Harald Gleissner and Klaus Moeller. Case Studies in Logistics. Gabler Verlag, 2011. 2. David Simchi-Levi and Philip Kaminsky. Designing and Managing the Supply Chain. McGraw-Hill, 2011. 3. The 2011-2016 Outlook for Supply Chain Management (SCM) Software in Europe. ICON Group International, 2011. 4. Alan E. Branch. Global Supply Chain Management and International Logistics. Routledge, 2009.
Course prerequisites	Basic knowledge in logistics and supply chain management

Course outline

Theme	Hours
Major LSCM European players (e.g., DB Schenker)	4
Major LSCM European professional organizations (e.g., ELA)	2
Local situation in LSCM (both in Latvia and countries/regions of invited lecturers)	4
Customs procedures in supply chains	12
Supply chain security	4
Visits to local logistics companies (logistics solutions, problems, challenges, technologies)	6

Learning outcomes and assessment

Learning outcomes	Assessment methods
To be able to characterize the main aspects of LSCM European development	Successfully presented report and passed exam
To be able to explain regional LSCM development in Latvia	Successfully passed exam
To be able to explain organization of customs procedures and security requirements in supply chains	Successfully passed exam

Study subject structure

Part	CP	ECTS	Hours per Week			Tests		
			Lectures	Practical	Lab.	Test	Exam	Work
1.	2.0	3.0	2.0	0.0	0.0		*	