RTU Course "LSCM European Dimension"

33000 Faculty of Computer Science, Information Technology and Energy

General data

Code	DMI712
Course title	LSCM European Dimension
Course status in the programme	Compulsory/Courses of Limited Choice
Responsible instructor	Andrejs Romānovs
Academic staff	Jurijs Merkurjevs Jana Bikovska Jūlija Petuhova
Volume of the course: parts and credits points	1 part, 3.0 credits
Language of instruction	LV, EN
Annotation	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	The course goal is to impart knowledge about the practical implementation of state-of-the-art methods of logistics systems and LSCM in various EU regions (in particular, in Latvia). Study course tasks: 1) to impart knowledge about the current state of the logistics sector in Latvia and other EU regions; 2) to espouse understanding of specific LSCM solutions (in particular, technological and methodological ones) being used by companies over the EU countries.
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.Obligātā. / Obligatory: 2.Harald Gleissner and Klaus Moeller. Case Studies in Logistics. Gabler Verlag, 2011. 3.David Simchi-Levi and Philip Kaminsky. Designing and Managing the Supply Chain. McGraw-Hill, 2011. 4.The 2011-2016 Outlook for Supply Chain Management (SCM) Software in Europe. ICON Group International, 2011. 5.Alan E. Branch. Global Supply Chain Management and International Logistics. Routledge, 2009. 6.Papildu. / Additional: 7.John J.Coyle, Edward J.Bardi, and C. John Langley, Jr. The Management of Business Logistics. 6th edition. West Publishing Company, 1996; The Management of Business Logistics: A Supply Chain Perspective. 7th edition. West Publishing Company, 2003. 8.John J.Coyle, C. John Langley, Brian Gibson, Robert A. Novack, and Edward J.Bardi. Supply Chain Management: A Logistics Perspective (with Student CD-ROM). 8th edition. South-Western College Pub., 2008. 9.Nigel Slack, Stuart Chambers, Christine Harland, Alan Harrison, and Robert Johnston. Operations Management. 2nd edition. Financial Times, Pitman Publishing, 1998; 5th edition, 2007
Course prerequisites	Basic knowledge in logistics and supply chain management

Course contents

Content	Full- and part-time intramural studies		Part time extramural studies	
	Contact Hours	Indep. work	Contact Hours	Indep. work
Major LSCM European players (e.g., DB Schenker)	4	10	0	0
Major LSCM European professional organizations (e.g., ELA)	2	4	0	0
Local situation in LSCM (both in Latvia and countries/regions of invited lecturers)	4	10	0	0
Customs procedures in supply chains	12	15	0	0
Supply chain security	4	9	0	0
Visits to local logistics companies (logistics solutions, problems, challenges, technologies)	6	0	0	0
Total:	32	48	0	0

Learning outcomes and assessment

Learning outcomes	Assessment methods
Is able to characterize the main aspects of LSCM European development	Successfully presented report and passed exam.
Is able to define requirements to the practical implementation of logistics and supply chain management methods in Europe	Successfully presented report and passed exam.
Is able to explain regional LSCM development in Latvia	Successfully passed exam.

Is able to explain organization of customs procedures and security requirements in supply chains	Successfully passed exam.

Evaluation criteria of study results

Criterion	%
The individual task	50
Theoretical test at the exam	50
Total:	100

Study subject structure

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