



RTU Course "Global Markets and Supply Chains"

22314 Starptaut.ekon. sakaru,transp.ekon. un loģist.kat.

General data

Code	IĀS706
Course title	Global Markets and Supply Chains
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Post-graduate Studies
Course type	Professional
Field of study	Business Management and Administration
Responsible instructor	Pāvels Patļins
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
Maximum auditorium capacity	100
Maximum number of students per semester	100
Abstract	The course includes problems connected with supply chain management of global market, supply chain structure, beginning and final points planning, supply chain management methods and technology, SCM models and its specification, information flow management of forwarding processes, delivery time and accuracy factor evaluation, time factor and quality of delivery, lead time investigation for supply chains.
Goals and objectives of the course in terms of competences and skills	The goal of this course is to help students to figure out the main principles of supply chain management, improving investigation and decision making skills. The tasks of the course are: to investigate supply chain like system for manufacturers and trading companies; to acquaint students with supply chain management programs and methods; to analyze necessary information of supply chain, using mathematical and statistical methods, investigate information specification into decision-making processes.
Structure and tasks of independent studies	The individual works include the following activities: theoretical results assuming and investigation; laboratory works; analytic work with special literature and other sources of information.
Recommended literature	1.Pooler, V.H. and D. Pooler, Purchasing and Supply Management: Creating the Vision, Chapman & Hall, 2003. 2.Laporte G., Semet F. Logistics and Supply chain managements, Montreal, Canada. 2008. 3.Cohen.S Strategic Supply Chain Management. McGraw-Hill; 2 edition 2008. 4. Bowersox D, Closs D,Cooper M. Supply chain and logistics Management, 3rd edition, McGraw Hill Higher Education, 2009. 5. Michael H. Hugos. Essentials of Supply Chain Management, 2nd EditionWiley; 2 edition, 2006.
Course prerequisites	basic knowledge of imitation modelling and operational planning.

Course outline

Theme	Hours
Global market and supply chains. Customers' requirements.	2
Supply chains' types; supply chains participants' investigation.	2
Product life-cycle management into supply chain.	4
Safety and security factors into supply chains.	4
Supply chain planning and configuration. Flows modelling into global markets. Types of flows.	8
Strategic/tactical and operational perspective of supply chain management.	8
Customer orders modelling for supply chains.	2
Supply chain management strategies.	2

Learning outcomes and assessment

Learning outcomes	Assessment methods
Ability to define and use professional terminology of supply chain management.	Completed test in class.
Ability to choose the optimal solution for supply chain processes planning, using special methods.	Completed test in class.
Ability to define company's role into supply chain; characterize differences between supply chain and logistic channel.	Completed test in class.
Ability to create model of informational, financial and cargo flow for global market; assume supply chain flows; work out optimization project, systematize modelling results and theoretical information, working in groups and presenting results of works in groups.	Work in groups as well as discussions; students demonstrates ability to optimize supply chain flows.
Ability to evaluate customers orders as well as to model order fulfillment process.	Completed test in class.

Study subject structure

Part	CP	ECTS	Hours per Week			Tests		
			Lectures	Practical	Lab.	Test	Exam	Work
1.	2.0	3.0	1.0	1.0	0.0		*	