

LOGISTICS AND SUPPLY CHAIN MANAGEMENT - course description

General information	
Course name	LOGISTICS AND SUPPLY CHAIN MANAGEMENT
Course ID	04.0-WZ-P-LSCM-S18
Faculty	Faculty of Economics and Management
Field of study	WEiZ - oferta ERASMUS
Education profile	-
Level of studies	Erasmus programme
Beginning semester	winter term 2023/2024

Course information	
Semester	1
ECTS credits to win	5
Course type	obligatory
Teaching language	english
Author of syllabus	<ul style="list-style-type: none">dr hab. inż. Krzysztof Witkowski, prof. UZ

Classes forms					
The class form	Hours per semester (full-time)	Hours per week (full-time)	Hours per semester (part-time)	Hours per week (part-time)	Form of assignment
Lecture	15	1	-	-	Exam
Laboratory	15	1	-	-	Credit with grade

Aim of the course

Presentation of views on the evolution and prospects of the development of logistics management on the background of the concept of integrated supply chain management.

Prerequisites

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Scope

1. Essence and scope of logistics and supply chain management

1.1 Definition and main activities of business logistics

1.2 Trade-offs analyses

1.3 Idea of supply chain and supply chain management matrix

1.4 Supply chain performance and efficiency improvement (SCOR vs. GSCF reference models)

1.5 Japanese and European supply chains and networks

1.6 Logistics in non –conventional applications

2. Logistics strategies and decisions in enterprises

2.1 Quality of logistics customer service

2.2 Factors of facility locations and center of gravity technique

2.3 Transport and inventory management (transport modes selection, pull and push inventory management, total inventory cost and simple EOQ formula)

2.4 Business logistics strategy formulation and implementation

Teaching methods

Conventional lecture, case studies, work group, project method.

Learning outcomes and methods of theirs verification

Outcome description	Outcome symbols	Methods of verification	The class form
Student participates in the team work		<ul style="list-style-type: none">a projectactivity during the classes	<ul style="list-style-type: none">Laboratory
Student has interdisciplinary knowledge, defines the essence and scope of logistics and supply chain management		<ul style="list-style-type: none">a projectactivity during the classesan exam - oral, descriptive, test and other	<ul style="list-style-type: none">LectureLaboratory

Outcome description	Outcome symbols	Methods of verification	The class form
Student analyzes and solves the basic problems in logistics		<ul style="list-style-type: none"> • a project • activity during the classes • an exam - oral, descriptive, test and other 	<ul style="list-style-type: none"> • Lecture • Laboratory

Assignment conditions

Learning outcomes will be verified by three methods: regular control over assigned tasks, periodical tests and conducting an exam from the lecture.

Lecture – written exam (test). Within the given questions students should have more than 50% positive answers.

Laboratory – positive grade from the project of the logistics and supply chain management.

Recommended reading

1. Ballu R.H.: Business logistics management, Prentice Hall, New Jersey 1999
2. Chopra S., Meindl P.: Supply Chain Management. Strategy, Planning and Operation, Prentice Hall, New Jersey 2001
3. Christopher M.: Logistics and Supply Chain Management, Prentice Hall, New Jersey, 2005
4. Witkowski J.: Zarządzanie łańcuchem dostaw. Koncepcje, procedury, doświadczenia, PWE, Warszawa 2010

Further reading

1. Gattorna J.: Living Supply Chains. How to Mobilize the Enterprise Around Delivering What Your Customer Want, Prentice Hall, New Jersey 2006
2. The Essence and Scope of Supply Chain Strategy (J.Witkowski, B.Rodawski), Zeszyty Naukowe 121, "Developing of Transportation Flows in 21st Century Supply Chain", Wyd. UE w Katowicach, Katowice 2012, pp.11-33
3. Logistics Models in e-Commerce, 2020, K.Witkowski, M.Koralewska, K.Huk, Research Papers Faculty of Materials Science and Technology in Trnava, Vol. 28, no. 46, 90–97

Notes

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Modified by dr Katarzyna Huk (last modification: 30-05-2023 17:44)

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