

**ENGLISH – SYLLABUS (SPECIALTY)**

**SUBJECT:**

**INFORMATION SYSTEM IN LOGISTIC**

**Studies: Management**

II cycle studies  
Excellence in Management  
Specialty: Management of logistic services

**Faculty: Management**

Subject status	Type of studies	Semester/ Term	Teaching hours		ECTS Points
			lectures	classes	
	Full time studies	4	16	-	<b>1</b>

**Course description:**

The Information Systems in Logistics study program is tailored to equip students with the knowledge and skills necessary to navigate the intersection of technology and logistics management. In today's highly connected and data-driven business environment, the effective use of information systems is pivotal in ensuring the smooth functioning of logistics operations. This program delves into the integration of information systems, focusing on how technology can be seamlessly embedded in logistics processes. Students will explore the role of data-driven decision-making, utilizing information generated by these systems to enhance the efficiency and accuracy of logistics management. Supply chain optimization is a core component, emphasizing the strategic use of information systems to streamline and improve supply chain processes. The program also places a strong emphasis on staying current with industry trends, fostering an understanding of emerging technologies and innovations that can revolutionize logistics practices. An essential aspect of the program is cybersecurity in logistics. As information systems become increasingly prevalent in managing logistics data, safeguarding this information is paramount. Students will gain insights into cybersecurity measures to protect against potential threats and ensure the reliability and integrity of logistics information systems. The Information Systems in Logistics program offers a comprehensive exploration of the role of technology in modern logistics, preparing students to be adept professionals capable of leveraging information systems for optimized supply chain management. The course is filled in with many case studies and practical examples of logistic system planning and management so it should be interesting for all those students who are eager to deal with sales management issues also after the course.

**COURSE LEARNING OBJECTIVES:**

1. Integration of Technology: Explore the seamless integration of information systems to enhance efficiency and transparency in logistics operations.
2. Data-Driven Decision Making: Develop skills in leveraging data from information systems to make informed decisions in logistics management.
3. Supply Chain Optimization: Focus on utilizing information systems to optimize supply chain processes for improved performance and responsiveness.
4. Innovation and Emerging Technologies: Stay abreast of innovation in information systems and emerging technologies to adapt logistics strategies to evolving industry trends.
5. Cybersecurity in Logistics: Address the importance of cybersecurity measures to protect sensitive logistics information and ensure the reliability of information systems.

Teaching the functions and role of logistic system planning and management for contemporary market entities, developing skills in solving logistic system planning and management problems, as well as analysing data (from primary and secondary data).

Creating presentations for the reports and written reports on logistic system planning and management problems. Training of social competences related to collective problem solving and preparing and introducing all stages of logistic system planning and management in contemporary world.

**COURSE EVALUATION:**

**Workshops** – desk research report (written and oral), classes participation and activities, case studies

**Lectures** - final exam will be one-choice questions and open questions. (or TBA during classes)

**The grading scale is as follows:**

100% - 85%	5.0 (excellent)
84,9% - 75%	4.5 (very good)
74,9% - 70%	4.0 (good)
69,9% - 60%	3.5 (very satisfactory)
50% - 59,9%	3.0 (satisfactory)
< 50%	2.0 (failure)

**Course policies and class rules:**

The use of smartphones, mobile phones, all devices with internet access, are not allowed during the exams. During other in-class assignments you can use them for assignment purposes only. Students are expected to take full responsibility for their academic work and academic progress. Students are expected to attend class regularly, for consistent attendance offers the most effective opportunity open to all students to gain a developing command of the concepts and materials of the course. The study programme is strict about student attendance regulations. Students who focus on the business of the class increase their likelihood of success. They can do so by listening attentively to the instructor or to other students while participating in discussions. During class, they can participate as fully as possible and volunteer to answer questions. Students should minimise all behaviours that distract others during the class. Talking to other students apart from class discussions is inappropriate. Students who arrive late should seat themselves as quietly and as near to the door as they can. Students who must leave before the class period ends should exit quietly. The course material is designed to be completed within the semester time frame.

Finally, please feel free to come and see me to ask questions or to discuss difficult material. The course material is all cumulative. If you do not understand what happens in the first week, you will not understand what happens in the last week.

**Teaching Methods:**

Lectures and case studies (multimedia, case study – projects on sales management topics)

**Course overview:**

*The Information Systems in Logistics study program is tailored to equip students with the knowledge and skills necessary to navigate the intersection of technology and logistics management. In today's highly connected and data-driven business environment, the effective use of information systems is pivotal in ensuring the smooth functioning of logistics operations. This program delves into the integration of information systems, focusing on how technology can be seamlessly embedded in logistics processes. Students will explore the role of data-driven decision-making, utilizing information generated by these systems to enhance the efficiency and accuracy of logistics management. Supply chain optimization is a core component, emphasizing the strategic use of information systems to streamline and improve supply chain processes. The program also places a strong emphasis on staying current with industry trends, fostering an understanding of emerging technologies and innovations that can revolutionize logistics practices. An essential aspect of the program is cybersecurity in logistics. As information systems become increasingly prevalent in managing logistics data, safeguarding this information is paramount. Students will gain insights into cybersecurity measures to protect against potential threats and ensure the reliability and integrity of logistics information systems. The Information Systems in Logistics*



*program offers a comprehensive exploration of the role of technology in modern logistics, preparing students to be adept professionals capable of leveraging information systems for optimized supply chain management.*

**Main topics:**

1. Introduction to Information Systems in Logistics
2. Integration of Technology in Logistics Operations
3. Data-Driven Decision Making in Logistics
4. Supply Chain Optimization through Information Systems
5. Innovation and Emerging Technologies in Logistics
6. Internet of Things (IoT) in Logistics Management
7. Blockchain Applications in Supply Chain
8. Cloud Computing in Logistics Operations
9. Artificial Intelligence in Logistics Planning
10. Robotics and Automation in Warehousing
11. Cybersecurity Measures in Logistics Information Systems
12. Case Studies: Successful Implementations of Information Systems in Logistics

**Literature**

**Main texts:**

1. Baltzan, Paige - "Business Driven Information Systems" - McGraw-Hill Education - 2019
2. Laudon, Kenneth C. - "Management Information Systems: Managing the Digital Firm" - Pearson - 2018
3. O'Brien, James A. - "Management Information Systems" - McGraw-Hill Education - 2017
4. Turban, Efraim - "Information Technology for Management: Advancing Sustainable, Profitable Business Growth" - Wiley - 2019
5. Stair, Ralph M. - "Principles of Information Systems" - Cengage Learning - 2018
6. Laudon, Jane P. - "Essentials of MIS" - Pearson - 2020
7. Kroenke, David M. - "Experiencing MIS" - Pearson - 2016

**Additional required reading material:**

1. Rainer, R. Kelly - "Introduction to Information Systems: Enabling and Transforming Business" - Wiley - 2017
2. Schwalbe, Kathy - "Information Technology Project Management" - Cengage Learning - 2021
3. Haag, Stephen - "Management Information Systems for the Information Age" - McGraw-Hill Education - 2018
4. Langer, Arthur M. - "Information Systems: A Manager's Guide to Harnessing Technology" - Wiley - 2016
5. Reynolds, George W. - "Information Technology for Managers" - Cengage Learning - 2019

**Rules of the exams on subject (Assessments)**

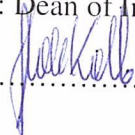
Lectures – Written exam (test and case study)

Classes – case study, discussion, attendance, activities, project, essay

Date of submitting the syllabus: 30.09.2023

Accepted by: Dean of International Affairs

Signature: .....



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