SUBJECT:						
LOGISTIC SYSTEM PLANNING AND MANAGEMENT						

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	20	14	**3**	

Course description:

The study program on Logistic System Planning and Management is designed to equip students with the expertise to design, implement, and manage effective and efficient logistics systems. It offers an in-depth exploration of the fundamental principles, strategies, and technologies essential for optimizing logistical operations in diverse industries. This program delves into the core components of logistics systems, encompassing inventory management, transportation, warehousing, and distribution networks. It focuses on developing skills to analyze logistical challenges and devise innovative solutions for improving system performance and responsiveness. Moreover, students will explore the integration of advanced technologies into logistics, understanding their role in revolutionizing the field. The program emphasizes the utilization of data analytics, AI-driven decision-making, and IoT applications to enhance supply chain visibility and operational efficiency. An integral part of the curriculum is the emphasis on sustainability within logistics. Students will examine eco-friendly practices, such as green logistics and reverse logistics, to reduce environmental impact while maintaining operational effectiveness. Through a combination of theoretical learning and practical applications, including case studies and hands-on projects, students will gain the necessary skills and knowledge to address complex logistical challenges in the real world.

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. Comprehensive Understanding: Provide a comprehensive understanding of logistics systems, encompassing their design, planning, and management aspects.
2. Optimization Techniques: Introduce optimization methodologies and tools to streamline logistical processes, ensuring efficiency and cost-effectiveness.
3. Supply Chain Integration: Explore strategies for integrating various elements of the supply chain, fostering collaboration among stakeholders for seamless operations.
4. Technological Integration: Emphasize the integration of cutting-edge technologies such as AI, IoT, and data analytics in logistics system planning for enhanced performance.
5. Risk Management: Equip students with skills to identify and mitigate risks associated with logistics operations, ensuring resilience and continuity.
6. Sustainability in Logistics: Address sustainable practices and environmental considerations in logistics planning and management.
7. Real-world Application: Provide opportunities for practical application through case studies, simulations, and projects in real logistical scenarios.

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:
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within logistics. Students will examine eco-friendly practices, such as green logistics and reverse logistics, to reduce environmental impact while maintaining operational effectiveness.
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Main topics:

1. Introduction to Logistic System Planning
2. Inventory Management Techniques
3. Transportation Planning and Optimization
4. Warehouse Design and Management
5. Supply Chain Integration Strategies
6. Technological Innovations in Logistic
7. Risk Management in Logistics Operations
8. Sustainable Logistics Practices

Literature
Main texts:

1. Coyle, John J. et al. - "Supply Chain Management: A Logistics Perspective" - Cengage Learning (2017)
2. Harrison, Alan & van Hoek, Remko - "Logistics Management and Strategy: Competing Through the Supply Chain" - Pearson (2018)
3. Rushton, Alan et al. - "The Handbook of Logistics and Distribution Management" - Kogan Page (2017)

Additional required reading material:

1. Christopher, Martin & Peck, Helen - "Marketing Logistics" - Routledge (2017)
2. Simchi-Levi, David et al. - "Operations Rules: Delivering Customer Value through Flexible Operations" - MIT Press (2017)
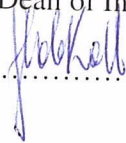
Rules of the exams on subject (Assessments)

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: ....