

SYLLABUS

Name: Logistics in industrial enterprise
Name in Polish: Logistyka w przedsiębiorstwie przemysłowym
Name in English: Logistics in industrial enterprise

Information on course:

Course offered by department: Faculty of Organisation and Management
Course for department: Silesian University of Technology
Study level and form: Bachelor's degree, Full-time
Term: summer semester (6) 2022/2023
Coordinator of course edition: Prof. PŚ dr hab. Monika Odlanicka-Poczobutt

Default type of course examination report:	
zal	
Language:	
English	
Course homepage:	
https://platforma.polsl.pl/roz/course/view.php?id=401#	
ECTS	
2	
Short description:	
The aim of the course is to introduce the main skills of a qualified logistician include inventory management, purchasing, transportation, warehousing, consultation, and the organizing and planning of these activities. Logisticians combine a professional knowledge of each of these functions to coordinate resources in an organization.	
Description:	
Lecture 1 Introduction to Logistics Business Management - basic definitions	
Lecture 2 Logistic system	Exercise 1 Designing an enterprise logistics system
Lecture 3 Logistics activities and fields. Procurement Logistics Management - Selection of suppliers	
Exercise 2 Evaluation of suppliers	
Lecture 4 Warehousing	Exercise 3 Warehouse building project
Lecture 5 The location matrix	Exercise 4 Determining the location codes
Lecture 6 Packaging in Logistics Enterprises Management	Exercise 5 Packaging design
Lecture 7 Inventory management	Exercise 6 ABC/XYZ analysis
Bibliography:	
1. Coyle J.J. i inni: Zarządzanie logistyczne. Wydawnictwo PWE, Warszawa, 2002.	
2. Ciesielski M. (red): Sieci logistyczne, Wyd. AE w Poznaniu, Poznań, 2002.	
3. Odlanicka-Poczobutt M., Knop L., Rozwój i funkcjonowanie sieci w świetle podejścia endogenicznego, Zesz. Nauk. Politechniki Śląskiej, Org. Zarz. 2016 z. 89, s. 367-377.	
4. Odlanicka-Poczobutt M., Prakseologia a klasyczne kryteria oceny sprawności systemów logistycznych. Zeszyty Naukowe Politechniki Śląskiej, Seria: Organizacja i Zarządzanie 2014 z. 70, s. 339-355.	
5. Hess, Earl J. Civil War Logistics: A Study of Military Transportation (2017)	
6. Handfield, R.B., Straube, F., Pfohl, H.C. & Wieland, A., Trends and Strategies in Logistics and Supply Chain Management: Embracing Global Logistics Complexity to Drive Market Advantage, BVL 2013	
7. Ronald H. Ballou, Samir K. Srivastava, Business Logistics: Supply Chain Management, Pearson Education, 2007	
8. Donald Bowersox, David Closs, M. Bixby Cooper, Supply Chain Logistics Management, McGraw-Hill 2012	
9. M. Christopher: Logistics & Supply Chain Management: creating value-adding networks, Prentice Hall 2010.	
10. J. V. Jones: Integrated Logistics Support Handbook, McGraw-Hill Logistics Series 2006	
11. B. S. Blanchard: Logistics Engineering and Management, Pearson Prentice Hall 2004	
12. R.G. Poluha: The Quintessence of Supply Chain Management: What You Really Need to Know to Manage Your Processes in Procurement, Manufacturing, Warehousing and Logistics (Quintessence Series). First Edition. Springer Heidelberg New York Dordrecht London 2016.	
Learning outcomes:	
E1 At an in-depth level - selected facts, objects and phenomena, as well as methods, theories and conditions explaining the complex relationships between them and constituting advanced general knowledge in the field of mechanical engineering in connection with other fields. K2A_W01	
E2 Basic processes taking place in the life cycle of technical devices, facilities and systems. K2A_W03	

E3 Use the acquired knowledge - formulate and solve complex and unusual problems and innovatively perform tasks in unpredictable conditions by:

- proper selection of sources and information derived from them; evaluation of the information, its critical analysis, synthesis, creative interpretation and presentation,
- selection and use of adequate methods and tools, including advanced ICT techniques,
- adapting existing or developing new methods and tools. K2A_U01

E4 When identifying and formulating specifications for engineering tasks and solving them:

- use analytical, simulation and experimental methods,
- see their systemic and non-technical aspects, including ethical issues,
- make a preliminary economic assessment of proposed solutions and undertaken engineering activities." K2A_U03

E5 Critical evaluation of the acquired knowledge and received content. K2A_K01

Assessment methods and assessment criteria:

Lecture - writing a test on the subject based on lecture materials - 50%;

Exercises- realization of exercises in groups of 2 persons for a fictitious company (with an established business profile) - 50%;(5x3pkt=15; 8pkt. min na zal)

Practical placement:

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