



DESCRIPTION OF THE OBJECT

FIELD OF STUDY	Management
SPECIALISATION	Logistics management
MODE OF STUDY	Full-time studies / Part-time studies
SEMESTER	6

Name of the subject	Warehouse logistics
Hourly dimension of particular forms of classes <ul style="list-style-type: none">lecturesother forms	Full-time studies – 30 Part-time studies – 18
	Full-time studies – 10 Part-time studies – 8
	Full-time studies – 20 Part-time studies – 10

Learning objectives:	– to acquaint students with theoretical and practical issues concerning warehouse logistics
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Learning outcomes for the subject	
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Number	Learning outcomes, a student who has successfully completed the course will be able to:	Reference of learning outcomes for the programme	The reference to the learning outcomes for the area
EK_W01	knows and uses storage terminology	K_W01	P6S_WG
EK_W02	has knowledge of storage methods and processes	K_W07	P6S_WG
EK_U03	puts knowledge of storage logistics into practice	K_U04	P6S_UW
EK_U04	propose solutions to problems related to storage management	K_U05	P6S_UW
EK_K05	is able to apply management knowledge in the performance of warehouse management tasks	K_K02	P6S_KK

Content number	Educational/ curricular content	Reference to learning outcomes for the subject
	Lectures\ Exercises	
T_01	Objectives and tasks of warehouse management.	K_W01 K_W02 K_U03 K_U04 K_K05
T_02	Structure and classification of warehouse stock.	K_W01 K_W02 K_U03 K_U04 K_K05

T_03	Systems of technical equipment of warehouses.	K_W01 K_W02 K_U03 K_U04 K_K05
T_04	Control and measuring devices and systems.	K_W01 K_W02 K_U03 K_U04 K_K05
T_05	Computerisation of warehouse processes.	K_W01 K_W02 K_U03 K_U04 K_K05
T_06	Warehouse operating model.	K_W01 K_W02 K_U03 K_U04 K_K05
T_07	Warehouse work technology.	K_W01 K_W02 K_U03 K_U04 K_K05
T_08	Organisation of warehouse management.	K_W01 K_W02 K_U03 K_U04 K_K05
T_09	Basic stock documents.	K_W01 K_W02 K_U03 K_U04 K_K05
T_10	High-bay warehouses.	K_W01 K_W02 K_U03 K_U04 K_K05
T_11	Costs of stock management.	K_W01 K_W02 K_U03 K_U04 K_K05
T_12	Occupational health and safety.	K_W01 K_W02 K_U03 K_U04 K_K05
T_13	Development trends in warehouse management.	K_W01 K_W02 K_U03 K_U04 K_K05

Methods and forms of teaching	Educational and curricular content
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Lecture with multimedia presentation of selected issues	
Conversation lecture	T_01 – T_13
Problem-based lecture	
Informative lecture	T_01 – T_13
Discussion	
Working with text	T_09
Case study method	T_08 – T_11
Problem-based learning	
Didactic/simulation game	
Exercise method	T_01 – T_13
Workshop method	
Project method	
Multimedia presentation	
Audio and/or video demonstrations	
Activation methods (e.g. brainstorming, SWOT analysis technique, decision tree technique, „snowball” method, constructing „mind maps”)	
Other (which ones?) - ...	
...	

Evaluation criteria in relation to particular learning outcomes				
Learning outcome	For assessment 2	For assessment 3	For assessment 4	For assessment 5
EK_W01	The student does not know and does not use the terminology of warehousing.	The student knows and uses the terminology of warehousing sufficiently.	The student knows and uses the terminology of warehousing.	The student knows and uses the terminology of warehousing very well.
EK_W02	The student has no knowledge of storage methods and processes.	The student has limited knowledge of storage methods and processes.	The student has knowledge of storage methods and processes.	The student has a broad knowledge of storage methods and processes.
EK_U03	The student does not use the knowledge of storage logistics in practice.	The student makes little practical use of knowledge concerning storage logistics.	The student applies knowledge of storage logistics in practice.	The student fully applies the knowledge of storage logistics in practice.
EK_U04	The student does not propose solutions to problems related to warehouse management.	The student does not always propose solutions to problems related to warehouse management.	The student proposes solutions to problems related to warehouse management.	The student proposes very good solutions to problems related to warehouse management.
EK_K05	The student is not able to use the knowledge of management in the realization of tasks in the field of warehouse management.	The student is not fully able to independently use the knowledge of management in the implementation of tasks in the field of warehouse management.	The student is not able to use the knowledge of management in the realization of tasks in the field of warehouse management.	The student is able to excel in the use of management knowledge in the implementation of warehouse management tasks.

Verification of learning outcomes	EK symbols for the module/subject				
	W01	W02	U03	U04	K05
Written examination					
Oral examination					
Written credit	X	X	X	X	X
Oral credit					
Written colloquium					
Oral colloquium					
Test					
Project					
Written work					
Report					
Multimedia presentation					
Work during exercise	X	X	X	X	X
Other (which?) -					

Hourly teaching load and student workload	Full-time studies	Part-time studies
1. Lectures (joint participation of academics and students)	10	8
2. Other forms (joint participation of academic staff and students)	20	10
3. Consultation with the teacher	-	-
Total 1+2+3	30	18
4. Internships (carried out by students on their own)	—	—
5. Student's own work (including homework and project work, preparation for a credit/exam)	20	32
Total 4+5	20	32
SUMMARY 1+2+3+4+5	50	50
Total ECTS credits according to the study plan	2	

Reference literature	
	<ol style="list-style-type: none"> 1. Coyle J.J., Bardi E., Langley C.; Zarządzanie logistyczne; Warszawa 2002. 2. Dudziński Z.; Vademecum organizacji gospodarki magazynowej, ODDK Gdańsk 2008. 3. Dudziński Z.; Opakowania w gospodarce magazynowej, ODSK, Gdańsk 2007. 4. Dudziński Z.; Opakowania w systemach logistycznych ILM Poznań 2004. 5. Dudziński Z., Kizyn M.; Poradnik magazyniera, PWE Warszawa 2000. 6. Ficoń K.; Logistyka techniczna. Infrastruktura logistyczna; BEL Studio Warszawa 2009. 7. Ficon K.; Procesy logistyczne w przedsiębiorstwie, IPC Gdynia 2001

Complementary literature

1. Gubała M., Popielas J.; Podstawy zarządzania magazynem w przykładach ILM Poznań 2005.
2. Korzeń Z.; Logistyczne systemy transportu bliskiego i magazynowania ILM, Poznań 2003.
3. Korzeniowski A.; Magazynowanie towarów niebezpiecznych, przemysłowych i spożywczych, ILM Poznań 2006.
4. Krzyżaniak S., Cyplik P.; Zapasy i magazynowanie, T1 zapasy, ILM Poznań 2007.
5. Niemczyk A.; Zapasy i magazynowanie, T2 Magazynowanie, ILM Poznań 2007.
6. Majewski J.; Informatyka w magazynie, ILM Poznań 2006.
7. Sarjusz-Wolski Z.; Sterowanie zapasami w przedsiębiorstwie, PWE Warszawa 2000.
8. Skowronek Cz., Sariusz-Wolski Z.; Logistyka w przedsiębiorstwie, PWE Warszawa 2008.
9. Wojciechowski M. (red.); Zarządzanie gospodarką magazynową PWE, Warszawa 1997.