SUBJECT GUIDE

Course title	**LOGISTICS**
Specialization	**Management**
Form of study	**On campus**
Qualification level	**Level II**
Year	**I**
Semester	**II**
Unit running the program	**Institute of Logistics and International Management**
Author	**Dr. Marta Starostka-Patyk**
Profile	**General academic**
Course type	**Directional**
Number of ECTS credits	**6**

COURSE TYPE – NUMBER OF SEMESTER HOURS

LECTURE	CLASSES	LABORATORY	PROJECT	SEMINAR
15	**30**			

COURSE DESCRIPTION

1. COURSE OBJECTIVE

C1. Presentation and discussion of key issues related to logistics such as for example transport, warehousing, logistics customer service.

C2. Characterization of the issues associated with the management of inventory in the processes of purchasing, production and distribution.

2. PREREQUISITES IN TERMS OF KNOWLEDGE, SKILLS AND OTHER COMPETENCIES

1. The student knows the basic concept of logistics.

2. The student knows the basic concept of supply chain management.

3. The student is familiar with marketing concept.

4. The student is able to explain the process of enterprise management.

3. EFECTS OF LEARNING

EK 1	The student is able to discuss the overall analysis of logistics systems.
EK 2	The student knows the processes of storage in logistics system and can determine the demand for warehouse space.
EK 3	The student is able to make a preliminary assessment of the cost and quality of the various modes of transport and is able to make a relative assessment of minimizing the cost of transport in logistics system.
EK 4	The student is able to characterize and discuss the process of logistics customer service.
EK 5	The student presents and analyses the overall level of inventories in the company.
EK 6	The student knows and is able to use the method of ABC inventory classification in the enterprise and the method of material requirements planning MRP.

4. COURSE CONTENT

Form of teaching - LECTURES 15 hours	Number of hours
W 1- Introduction to the subject. Presentation of basic concepts related to logistics- etymology.	1
W 2 - Presence of logistics in contemporary systems of logistics customer service.	2
W 3 – Characteristics of logistics tasks and functions.	3
W 4 - Discussion on the basic logistics activities.	3
W 5 - Presentation of logistics organization in the enterprise.	1
W 6 - Overview of functions and classification of inventory carried out in logistics processes.	1
W 7 - Presentation of logistics costs - terminology and definitions of selected logistics costs.	1
W 8 - Discussion on the development of logistics competitive advantage in enterprises.	3
Form of teaching – CLASSROOM 30 hours	**Number of hours**
CW 1 - Introductory classes - presentation of issues related to the subject, refer to the primary and secondary literature, presentation and discussion of the course topics.	1
CW 2 - Introduction and characterization of a general analysis of logistics systems.	1
CW 3 - Analysis of the stocks level in the company and the role of procurement processes in the size of the company's profit.	1
CW 4 - Control inventory levels of "push" and "pull".	1
CW 5, CW 6 - Overview of ABC inventory classification method and discussion on system of material requirements planning MRP.	2

CW 7 - The use of supply chain management strategies for a selected company.	1
CW 8, CW 9– Presentation and discussion of transport processes.	2
CW 10, CW 11 - Evaluating and selecting different modes of transport.	2
CW 12, CW 13 – Processes of storage. The choice of the direct and indirect rotation and the choice of a supply form.	2
CW 14 - Determining the demand for warehouse space.	1
CW 15 - Completion of the course and receiving grades.	2

5. TEACHING TOOLS

1. Textbooks and scripts

2. Audio-visual equipment

6. EVALUATION METHODS (F – FORMING, P – SUMMARY)

F1. Exercises.

F2. Presentation of completed tasks.

P1. Written test.

7. STUDENT WORKLOAD

Activity	Average number of hours to complete the activity
1. Contact hours with the teacher	**45**
2. Exercise preparation	**15**
3. Preparation for classes	**10**
4. Preparation for the exam	**10**
5. Exercises before the test	**10**
6. Preparation for the test	**25**
7. Project realization	**23**

8. Presence on the consultation 9. Presence on the test	**15** **2**
Total	**150**
TOTAL NUMBER OF ECTS CREDITS FOR THE COURSE	**6**

8. BASIC AND SUPPLEMENTARY LITERATURE

Basic:

1. Kisperska-Moroń D.: Podstawy podejmowania decyzji logistycznych w przedsiębiorstwie. Wydawnictwo Akademii Ekonomicznej w Katowicach, Katowice 2010.
2. Skowronek Cz., Sarjusz-Wolski Z.: Logistyka w przedsiębiorstwie, Polskie Wydawnictwo Ekonomiczne, Warszawa 2008.

Supplementary:

3. Gołembska E.: Kompendium wiedzy o logistyce, Wydawnictwo PWN, Warszawa-Poznań 2002.

9. PROWADZĄCY PRZEDMIOT (IMIĘ, NAZWISKO, ADRES E-MAIL)

1. Dr. Marta Starostka-Patyk – marta.s.patyk@gmail.com

10. MATRIX EFFECTS OF EDUCATION

The effect of education	Reference to the effects of the defined effects for the entire program (PEK)	Course objectives	Course content	Teaching tools	Evaluation method
EK 1 The student is able to discuss the overall analysis of logistics systems.	K_W01, K_W02, K_W03, K_U01, K_U02, K_U06, K_U9, K_U10, K_U11, K_U16, K_U20, K_K01, K_K06	C1	W1,W3,W8Ć1-Ć2	1, 2,	P1
EK 2 The student knows the processes of storage in logistics system and can determine the demand for warehouse	K_W02, K_W03, K_U01, K_U02, K_U06, K_U9, K_U10, K_U11, K_U16, K_U19,	C1	W4,Ć12,Ć13, Ć14	1, 2,	P1

space.	K_K01, K_K06				
EK 3 The student is able to make a preliminary assessment of the cost and quality of the various modes of transport and is able to make a relative assessment of minimizing the cost of transport in logistics system.	K_W02, K_W11, K_W19, K_U01, K_U02, K_U06, K_U9, K_U10, K_U11, K_U16, K_U19, K_K01, K_K06	C1	W7,Ć8,Ć9,Ć10,Ć11	1, 2	F1,F2
EK 4 The student is able to characterize and discuss the process of logistics customer service.	K_W01, K_W02, K_W13, K_U02, K_U06, K_U9, K_U10, K_U11, K_K07	C1	W2,L5, L6	1, 2,	F1
EK 5 The student presents and analyses the overall level of inventories in the company.	K_W02,K_W13, K_U06, K_U9, K_U10, K_U11, K_K07	C2	W6,,Ć 3,	1, 2,	P1
EK 6 The student knows and is able to use the method of ABC inventory classification in the enterprise and the method of material requirements planning MRP.	K_W02, K_W13, K_U06, K_U9, K_U10, K_U11, K_U16, K_K06, K_K07	C2	W6,Ć4,Ć5,Ć6, Ć7	1, 2,	P1

11. EVALUATION FORM - DETAILS

	For a grade of 2	For a grade of 3	For a grade of 4	For a grade of 5
Effect 1	Student is not able to discuss the general analysis of logistics systems.	Student is able to discuss the logistics systems.	Student is able to discuss the logistics systems. He knows the logistics systems analysis techniques.	Student is able to discuss the logistics systems. He knows the logistics systems analysis techniques and he can discuss them.
Effect 2	Student does not know the storage processes in a logistics system and is unable to determine the demand for warehouse space.	Student distinguishes storage processes in the logistic system.	Student distinguishes storage processes in the logistic system and is able to discuss selected. He can determine the demand for warehouse space.	Student distinguishes storage processes in the logistic system and is able to discuss it. He can determine the demand for warehouse space.
Effect 3	Student is not able to make a preliminary assessment of the cost and quality of the various modes of transport and can not make a relative assessment of minimizing the cost of transport logistics system.	Student is able to make a preliminary assessment of the cost and quality of the various modes of transport.	Student is able to assess the cost and quality of the various modes of transport and to choose the mode of transport.	Student is able to assess the cost and quality of the various modes of transport and is able to make a relative assessment of minimizing the cost of transport logistics system.
Effect 4	Student is not able to describe and discuss the process of logistics customer service.	Student discusses the initial characteristics of the logistics customer service.	Student is able to discuss the process of logistics customer service and assess the effectiveness of measure the logistics customer service.	Student is able to discuss the process of logistics customer service and assess the effectiveness of measure the logistics customer service and knows a scheme of logistics customer service elements.

Effect 5	The student is not able to present and analyse the overall inventory levels in the company.	Student is able to provide a view for general level of stocks in the company.	The student is able to present and analyse the overall inventory levels in the company.	The student is able to present and analyse the overall inventory levels in the company. He can describe the control of inventory levels by "push" and "pull".
Effect 6	Student does not know and can not apply the ABC method for classification of stocks in the company and the method of material requirements planning MRP.	Student is able to discuss the method of ABC classification of inventory in the company.	Student is able to discuss the ABC method of inventory classification in the company and to discuss the method of material requirements planning MRP.	Student is able to discuss and apply the ABC method of inventory classification in the company and discuss material requirements planning MRP.

12. OTHER USEFUL INFORMATIONABOUT THE SUBJECT

Information where you can get acquainted to the classes, instructions to the lab, etc. - the information presented to students in the class, if required by the formula classes are sent via email to the email addresses of individual groups

Information about the location of scheduled classes - information can be found on the department’s website

Information about the time and date of scheduled classes - information can be found on the department’s website

Information for consultation (time + location) - are given to students at the first meeting can be found on the department’s website or in the information display case near the Institute of Logistics and International Management (main building WZ - 2nd floor).

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Author’s signature