STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Warehouse Management		**1011105251011104058**
Field of study: **Engineering Management - Part-time studies -**	Profile of study (general academic, practical): **(brak)**	Year /Semester: **3 / 5**
Elective path/specialty: **-**	Subject offered in: **Polish**	Course (compulsory, elective): **elective**
Cycle of study: **First-cycle studies**	Form of study (full-time,part-time): **part-time**	
No. of hours: Lecture: **10** Classes: **10** Laboratory: **-** Project/seminars: **-**		No. of credits: **4**
Status of the course in the study program (Basic, major, other): **(brak)**	(university-wide, from another field): **(brak)**	
Education areas and fields of science and art: **technical sciences** **Technical sciences**		ECTS distribution (number and %): **4 100%** **4 100%**

Responsible for subject / lecturer:

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Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Acquaintance of bases of the logistics
2	**Skills**	The student is able to organize the process of restocking. The student is able to use basic measurers of the level of the customer service.
3	**Social competencies**	The student is showing willingness to cooperate in the group.

Assumptions and objectives of the course:

Presenting the essence and principles of the warehouse policy. Giving student basic solutions used in the warehouse economy.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. has a basic knowledge of the life cycle of industrial products in the field of warehouse management - [K1A_W22]
2. has a basic knowledge of warehouse management - [K1A_W26]

Skills:

1. can use to formulate and solve engineering tasks analytical, simulation and experimental methods in the field of warehouse management - [K1A_U13]
2. can - when formulating and solving engineering tasks - perceive their systemic, socio-technical, organizational and economic aspects and non-technical aspects of warehouse management - [K1A_U14]
3. can perform a preliminary economic analysis of undertaken engineering activities in the field of warehouse management - [K1A_U15]
4. can perform critical analysis of technological processes in the field of warehouse management - [K1A_U16]

Social competencies:

1. is aware of the importance and understanding of the non-technical aspects and effects of engineering activities, including its environmental impact, and the resulting responsibility for the decisions on warehouse management - [K1A_K08]
2. is aware that the creation of products that meet the needs of users requires a systemic approach that takes into account technical, economic, marketing, legal, organizational and financial issues in the area of warehouse management - [K1A_K09]

Assessment methods of study outcomes

Formative assessment:

current check of the acquired knowledge and skills learnt during lectures

Within the scope of the exercises: on the basis of an assessment of the current progress of tasks (self and in groups, expression of opinions)

Lectures: based on answers to questions about the material discussed in the lectures

Collective assessment:

Within the scope of the exercises: on the basis of public presentation on the subject

Lectures: Written answer to open questions; a minimum of 60% points;

Course description

1. A storage process from A to Z;
2. Warehouse systems / storage areas;
3. Stock distribution in stock
4. Optimizing the work of the warehouse;
5. Storage documentation;
6. Inventory and health and safety;
7. Technical equipment in the warehouse;
8. Operational indicators of warehouse management

Didactic methods

In lectures:

1. Information lecture
2. Conversational lecture

In the field of self-employment:

1. Working with a book

In the scope of exercises:

1. The exercise method - case method
2. Demonstration method
3. Guided text method
4. Discussion

Basic bibliography:

1. Fertsch M., Projektowanie magazynów, [w:] Fertsch M. (red.), Elementy inżynierii logistycznej, Wydawnictwo Instytutu Logistyki i Magazynowania, Poznań, 2017
2. Gubała M., Popielas J., Podstawy zarządzania magazynem w przykładach, Biblioteka logistyka, Wydawnictwo ILiM, Poznań, 2002.
3. Korzeniowski A. (red.), Zarządzanie gospodarką magazynową, PWE, Warszawa, 1997
4. Korzeń Z., Logistyczne systemy transportu bliskiego i magazynowania, t.1 i 2, Biblioteka logistyka, Wydawnictwo ILiM, Poznań, 1998
5. Dudziński Z., Poradnik organizatora gospodarki magazynowej w przedsiębiorstwie, PWE, Warszawa, 2012
6. Dudziński Z., Opakowania w gospodarce magazynowej z dokumentacją i wzorcową instrukcją gospodarki opakowaniami, ODDK, Gdańsk, 2014
7. Dudziński Z., Vademecum organizacji gospodarki magazynowej, ODDK, Gdańsk, 2011

Additional bibliography:

1. Fijałkowski J., Technologia magazynowania, Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa, 1995
2. Galińska B., Gospodarka magazynowa, Difin, Warszawa, 2016

Result of average student's workload

Activity	Time (working hours)

1. Lectures	10
2. Participation in exercises	10
3. Consultations	25
4. Prepare for Training	15
5. Preparing to pass exercises	10
6. Assessment of lectures	3
7. Discussion of the results of assessment of lectures	2

Student's workload

Source of workload	hours	ECTS
Total workload	75	4
Contact hours	50	2
Practical activities	10	1