

MODULE DESCRIPTION

Module code	Z-ZIP-115z
Module name	Logistyka
Module name in English	Logistics
Valid from academic year	2016/2017

A. MODULE PLACEMENT IN THE SYLLABUS

Field of study	Management and Production Engineering
Level of education	1st degree <i>(1st degree / 2nd degree)</i>
Studies profile	General <i>(general / practical)</i>
Form and method of conducting classes	Full-time <i>(full-time / part-time)</i>
Specialisation	All
Unit conducting the module	The Department of Production Engineering
Module co-ordinator	Wacław Gierulski, PhD hab., Eng., Professor of the University
Approved by:	

B. MODULE OVERVIEW

Type of subject/group of subjects	Major <i>(basic / major / specialist subject / conjoint / other HES)</i>
Module status	Compulsory <i>(compulsory / non-compulsory)</i>
Language of conducting classes	English
Module placement in the syllabus - semester	6th semester
Subject realisation in the academic year	Summer semester <i>(winter / summer)</i>
Initial requirements	No requirements <i>(module codes / module names)</i>
Examination	Yes <i>(yes / no)</i>
Number of ECTS credit points	3

Method of conducting classes	Lecture	Classes	Laboratory	Project	Other
Per semester	15	15			

C. TEACHING RESULTS AND THE METHODS OF ASSESSING TEACHING RESULTS

Module target	A student, on completing the classes, ought to learn the issues connected with logistics oriented towards manufacturing enterprises.
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Effect symbol	Teaching results	Teaching methods (l/c/lab/p/other)	Reference to subject effects	Reference to effects of a field of study
W_01	A student has knowledge as regards basic concepts concerning logistics, logistics systems, logistics chains, stock control, production and distribution; a student also understands its sources as regards the related scientific disciplines.	l/c	K_W01 K_W09 K_W14	S1A_W02 S1A_W03 S1A_W04
W_02	A student has knowledge as regards the following: managing the flow of goods and products within a logistics channel; designing logistics systems; computer support for logistics systems.	l/c	K_W14	S1A_W04
W_03	A student has basic knowledge as regards supply logistics, production, and distribution.	l/c	K_W16 K_W18	S1A_W05 S1A_W11
U_01	A student can obtain information from literature on the subject; a student can also integrate the obtained information, make its interpretation, and draw conclusions.	l/c	K_U01	S1A_U01
U_02	A student can individually gather information and develop his/her professional skills using various sources and modern technologies.	l/c	K_U04	S1A_U01 S1A_U03 S1A_U10
K_01	A student understands the necessity of continuous improvement of his/her knowledge from the field of logistics.	l/c	K_K01	S1A_K01
K_02	A student is aware of the responsibility for his/her own work; a student is also ready to comply with the principles of teamwork and bear responsibility for collectively realised tasks.	l/c	K_K04	S1A_K03 S1A_K04

Teaching contents:

1. Teaching contents as regards lectures

Lecture number	Teaching contents	Reference to teaching results for a module
1	The significance and tasks of logistics. Logistics processes. The fundamental and essence of systemic approach in logistics.	W_01 K_01
2	Logistics systems. The infrastructure of logistics processes.	W_01
3	Supply logistics, stock control.	W_03
4	Production logistics.	W_03 U_02
5	Distribution logistics.	W_03
6	Logistics chain. The division of a logistics chain. The process of creating value in the logistics chain.	W_01

7	The effectiveness of logistic systems and its measurement. Logistics costs.	W_01 K_02
8	Designing logistic systems.	W_01
9	Computer support of logistic systems.	W_01 K_01
10	Examples of logistic systems applied in practice.	W_01 U_01 K_01

2. Teaching contents as regards classes

Class number	Teaching contents	Reference to teaching results for a module
1	Forecasting demand.	W_01 K_01
2	The classification of stock: the ABC/XYZ method.	W_01
3	Stock control: economic value of purchase.	W_01
4	Assessing the effectiveness of logistic systems.	W_01 K_01
5	Presenting students' projects; obtaining a credit.	

3. Teaching contents as regards laboratory classes

Laboratory class number	Teaching contents	Reference to teaching results for a module

4. The characteristics of project assignments

The methods of assessing teaching results

Effect symbol	Methods of assessing teaching results <i>(assessment method, including skills – reference to a particular project, laboratory assignments, etc.)</i>
W_01	An examination, a discussion, and individual work assessment.
W_02	An examination, a discussion, and individual work assessment.
W_03	An examination, a discussion, and individual work assessment.
U_01	An examination, a discussion, and individual work assessment.
U_02	An examination, a discussion, and individual work assessment.
K_01	Observing a student's involvement during the classes; a project.
K_02	Observing a student's involvement during the classes; a project.

D. STUDENT'S INPUT

ECTS credit points		
	Type of student's activity	Student's workload
1	Participation in lectures	15
2	Participation in classes	15
3	Participation in laboratories	
4	Participation in tutorials (2-3 times per semester)	5
5	Participation in project classes	
6	Project tutorials	5
7	Participation in an examination	2
8		
9	Number of hours requiring a lecturer's assistance	42 <i>(sum)</i>
10	Number of ECTS credit points which are allocated for assisted work <i>(1 ECTS point=25-30 hours)</i>	1.55
11	Unassisted study of lecture subjects	10
12	Unassisted preparation for classes	10
13	Unassisted preparation for tests	
14	Unassisted preparation for laboratories	
15	Preparing reports	
15	Preparing for a final laboratory test	
17	Preparing a project or documentation	10
18	Preparing for an examination	10
19		
20	Number of hours of a student's unassisted work	40 <i>(sum)</i>
21	Number of ECTS credit points which a student receives for unassisted work <i>(1 ECTS point=25-30 hours)</i>	1.45
22	Total number of hours of a student's work	82
23	ECTS points per module <i>1 ECTS point=25-30 hours</i>	3
24	Work input connected with practical classes <i>Total number of hours connected with practical classes</i>	50
25	Number of ECTS credit points which a student receives for practical classes <i>(1 ECTS point=25-30 hours)</i>	1.45

E. LITERATURE

Literature list	1. Myerson P., <i>Supply Chain and Logistics Management Made Easy: Methods and Applications for Planning, Operations, Integration, Control and Improvement, and Network Design</i> , Pearson FT Press 2015. ISBN: 978-0133993349. 2. Murphy P.R., Knemeyer A.M., <i>Contemporary Logistics</i> (11th ed.), Prentice Hall 2014. ISBN: 9780132953467
Module website	www.wzimk-moodle.tu.kielce.pl