

Card of Course

Description of Course:	
Code of course	-----
Name of course	Warehousing Technology
Version of course	2013/2014
A. Place of the course in system of study	
Level of education	Intermediate
Degree of education	Engineering
Kind of education	Full-time studies
Field of study	Transport
Profile of study	General academic profile
Specialisation	Main field
Place of teaching of course	Faculty of Transport
Place of realization of course	Department of Logistics and Transport Systems
Coordinator of course	Konrad Lewczuk, Ph.D.
B. General characteristic of the course	
Block of courses	Main field
Group of courses	General
Level of course	Intermediate
Status of course	Faculty with choice limited
Language of course	English
Nominal semester	-----
Academic year	2013/2014
Preliminary requirements	No preliminary requirements
Limit of number of students	No limit

C. Effects of education and manner of teaching	
Purpose of course	Acquiring knowledge and basic designing skills about warehousing.
Methods of evaluation	Oral test of gained knowledge and skills. Practical designing exercise.
Effects of education	Look – table 1
Form of didactic studies and number of hours per week	Designing project w introducing lecture – 2 hours
Contents of education	Introduction, definitions, types and functions of warehouses, warehousing process (components, notation), units of handling, storage equipment (racking systems), material handling equipment, storage policies, warehouse information flow – basics (WMS), designing procedure – basics, designing simple warehouse object, calculation of number of equipment, evaluation of warehouse object
Methods of verification of effects of education	See table 1
Examination	No.
Literature	[1] Bartholdi III J. J., Hackman S. T.: Warehouse & Distribution Science, Release 0.95, www.warehouse-science.com, Aug 2012. [2] Frazelle H. E. World-Class Warehousing and Material Handling, McGraw-Hill, 2002 [3] Jeroen P. van den Berg, Integral Warehouse Management, Management Outlook Publications, 2007
www of course	Does not have
D. Student's job	
Number of credits ECTS	3 ECTS
Number of hours of student's job for achievement of education's effect (description):	10 hours – lectures and designing exercise 30 hours – reading related materials and own work 20 hours – realizing recommended exercises 2 hours – consultations
Number of credits ECTS on the course with direct participation of academic teacher	1 ECTS
Number of credits ECTS on practical activities on the course	2 ECTS
E. Additional information	
Notes	

Date of last modernization	15.01.2014
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Table 1

General academic profile			
Course's effects		Field effects	Area effect
Knowledge			
Effect:	Student has a basic knowledge about course and construction of a warehousing process	Tr1A_W08	T1A_W03 T1A_W05
Code of effect:	W_01		
Verification:	Oral test		
Effect:	Student has a knowledge about technology and equipment used in warehouse facilities	Tr1A_W08	T1A_W03 T1A_W05
Code of effect:	W_02		
Verification:	Oral test		
Effect:	Student has a basic knowledge about designing procedure for warehouse facilities	Tr1A_W07	T1A_W02 T1A_W07 T1A_W08
Code of effect:	W_03		
Verification:	Oral test		
Skills			
Effect:	Student can design simple warehousing process	Tr1A_U03	T1A_U02 T1A_U03 T1A_U04
Code of effect:	U_01	Tr1A_U23	T1A_U16
Verification:	Oral test, control of current work	Tr1A_U25	T1A_U01 T1A_U16
Effect:	Student can count efficiency of warehousing process at a basic level	Tr1A_U23	T1A_U16
Code of effect:	U_02		
Verification:	Oral test, control of current work		
Effect:	Student can design layout of a simple warehouse facility	Tr1A_U23	T1A_U16
Code of effect:	U_03		
Verification:	Oral test, control of current work		

Social competences			
Effect:	---		
Code of effect:	---		
Verification:	---		