		STUDY MODULE DE	ESC				
Name of	f the module/subject			Code 1011101341011119862			
Field of study Logistics - Full-time studies - First-cycle studies				Profile of study (general academic, practice (brak)	al)	Year /Semester 2 / 4	
Elective path/specialty				Subject offered in: Polish		Course (compulsory, elective)	
Cycle of	study:		Form	n of study (full-time,part-time	e)		
First-cycle studies				full-time			
No. of hours						No. of credits	
Lectur	e: 15 Classes	s: - Laboratory: -	F	Project/seminars:	15	5	
Status of the course in the study program (Basic, major, other) (university-wide, from an							
(brak) Education areas and fields of science and art					(br	ak) ECTS distribution (number and %)	
dr ha ema tel. 6 Wyd	onsible for subje ab. inż. Łukasz Hadaś ili: lukasz.hadas@put. 51 665 34 01 Iział Inżynierii Zarządz Strzelecka 11, 60-965	poznan.pl rania					
Prere	quisites in term	s of knowledge, skills and	d so	ocial competencies	S:		
1	Knowledge	The student has knowledge of the subject of logistics.					
2	Skills	The student has the skills in the s	e subject of logistics.				
3	Social competencies	The student has social competences in the field of logistics.					
Assumptions and objectives of the course:							
Master student		ills and social competences assoc	ciated	with the applications of	logist	ic engineering by the	
	Study outco	mes and reference to the	edu	cational results fo	or a f	ield of study	
Know	/ledge:						
		ips characteristic for the applicatio					
	•	nenomena characteristic for the fur			• ·		
		characteristic for the functioning o	of log	istic engineering applica	tions	- [K1A_W17]	
Skills		the management of a second		ta ana sta a sita a sana Rasa da			
		the process of needs analysis in lo he right tools and methods of anal	0	0 0 11	•		
[K1A_L		The fight tools and methods of anal	19515	and design for logistic e	ngine	ening applications -	
		tem using the right methods and te	echn	iques using logistic engi	neerin	ig - [K1A_U16]	
Socia	I competencies:						
		non-technical aspects and effects system (T1A_KO2) - [K1A_K02]	s of e	ngineering activities, inc	luding	its impact on the	
[K1A_k	(07]	entification and resolution of dilemr			-		
3. The	student is able to plar	and manage in an entrepreneuria	al ma	inner as part of a logistic	s sysi	tem - [K1A_K06]	
		Assessment method	ds o	of study outcomes			

Forming rating		
a) project - based on a discussion on solutions that he wants to propose as	part of the project	
b) the lecture based on the answers to questions about the material discuss	ed in the previous lecture	
Summary rating		
in the scope of the project		
a) on the basis of a public presentation of the project results and discussions	s on them,	
b) on the basis of the substantive quality of the prepared project		
in the lecture-based on the pass (exam)		
Course description		
Logistics systems. Logistics processes. Logistic system and logistics process development. A place of logistic engineering in the development of logistics. Planning in logistics. Information exchange in logistic systems.		
Teaching methods:		
conventional monographic lecture,		
project: team project, work with literature		
Basic bibliography:		
1. Blanchard B., Logistics engineering and management, Prentice-Hall, Inc.	, Englewood Cliffs, New Je	ersey 1992
2. Fertsch M. (red)., Elementy inżynierii logistycznej, Wydawnictwo ILiM, Poz	znań, 2017	
3. Blanchard B.S., Logistics as an Integrating System's Function, [Engineering, CRC Press, Boca Raton, FL, 2009	in:] Don Taylor G. (red.)., I	ntroduction to Logistic
4. Coyle J.L., Bardi E. J., Langley C.J.Jr., Zarządzanie logistyczne, Polskie V	Vydawnictwo Ekonomiczne	e, Warszawa, 2002
Additional bibliography:		
1. Pfohl H Ch., Systemy logistyczne. Podstawy organizacji i zarządzania. V	Vydawnictwo ILiM, Poznań	, 2002.
2. Don Taylor G., Introduction to logistics Engineering, CRC Press, Taylor&# New York, 2009	38;#38; Francis Group, Bo	oca Raton, London,
Result of average student's	workload	
Activity		Time (working hours)
1. Lectures		15
2. Project		15
3. Consultation	25	
4. Own work	30	
5. The exam	5	
6. Literature studying	20	
7. Preparation to the classes	15	
Student's workload		
Source of workload	hours	ECTS
Total workload	125	5
	120	

Contact hours Practical activities 60

15

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