exam

Poznan University of Technology Faculty of Transport Engineering

		STUDY MODULE D	ESCRIPTION FORM	Л			
	of the module/subject age of materials	and fuels	Code 1010631371010616004				
Field of study			Profile of study (general academic, pract	iool)	Year /Semester		
Transport			general academ		4/7		
Elective path/specialty			Subject offered in:		Course (compulsory, elective)		
Engineering of Pipeline Transport Cycle of study:			Polish Form of study (full-time,part-ti	me)	obligatory		
Cycle 0	•	cle studies	full-time				
No. of h	nours		No. of credits				
Lectu	re: 1 Classes	s: - Laboratory: -	Project/seminars:	-	1		
Status	of the course in the study	ner field					
	other university-wide						
Education areas and fields of science and art					ECTS distribution (number and %)		
techr	nical sciences				1 100%		
Technical sciences					1 100%		
Resp	onsible for subj	ect / lecturer:					
	nż. Łukasz Wojciechov						
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Mas	szyny Robocze i Trans						
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Prerequisites in terms of knowledge, skills and social competencies:							
1	Knowledge		les from the strength of materials, the fundamentals of machine construction, logistics of transport, properties and properties of materials and fuels				
2	Skills	Gathering knowledge from cogn	nition and analysis of various application cases [PRK4]				
3	Social competencies						
Assu	mptions and obj	ectives of the course:					
-Getting to know the transport and storage of materials and fuels							
	Study outco	mes and reference to the	educational results	for a	field of study		
Knov	vledge:						
correc	t modeling of real prob	h knowledge of physics useful for blems - [T1A_W02 [P6S_WG]]					
	ws the basic technique - [T1A_W07 [P6S_W0	es, methods and tools used in the	process of solving transpor	t tasks,	mainly of an engineering		
Skills		<u> </u>					
1. is able to obtain information from various sources, including literature and databases, both in Polish and in English, appropriate to integrate them, make their interpretation and critical evaluation, draw conclusions, and fully justify the opinions they - [T1A_U01 [P6S_UW]]							
Social competencies:							
1. understands that in technology, knowledge and skills quickly become obsolete - [T1A_K01 [P6S_KK]]							
2. is aware of the importance of knowledge in solving engineering problems and knows examples and understands the reasons for malfunctioning transport systems that led to serious financial and social losses or to serious health and even life - [T1A_K02 [P6S_KK]]							

Assessment methods of study outcomes

Faculty of Transport Engineering

Course description

Types and requirements of shredded materials stores. Classification and technical and economic characteristics of cargo

devices for ground materials. Warehouse functions and role of warehouse in production and distribution. Organization of loading works in stations, cargo bases and reloading points. Processes of material flow, fuel and information. Safety of filling and emptying warehouses and protection in the storage process. Intra-factory pneumatic and hydraulic transport of materials and fuels						
Basic bibliography:						
Additional bibliography:						
Result of average stud	ent's workload					
Activity		Time (working hours)				
Participation for the lectures		15				
2. Consultations		3				
3. Preparation for the exam		6				
4. Participate in exam		4				
Student's wor	kload					
Source of workload	hours	ECTS				
Total workload	28	1				

28

0

1

0

Total workload				
Contact hours				
Practical activities				