STUDY MODULE DESCRIPTION FORM					
Name of the module/subject Code 1010631331010631832					
Field of study			Profile of study	Year /Semester	
Transport			(general academic, practical) (brak)	2/3	
Elective path/specialty			Subject offered in:	Course (compulsory, elective)	
Engineering of Pipeline Transport			Polish	obligatory	
Cycle of	study:		Form of study (full-time,part-time)		
Second-cycle studies			full-time		
No. of h	ours			No. of credits	
Lecture: 1 Classes: - Laboratory: - Proj			Project/seminars:	- 1	
Status of the course in the study program (Basic, major, other) (unive			(university-wide, from another fig	eld)	
Educatio	an areas and fields of asi		(	Drak)	
Educatio	on areas and neids of sci	ence and an		and %)	
techn	ical sciences			1 100%	
	Technical scie	ences		1 100%	
Resp	onsible for subje	ect / lecturer:			
dr in	ż Przemysław Grzym	isławski			
ema	il: lukasz.semklo@pu	t.poznan.pl			
tel. 6	616652235				
ul. F	Piotrowo 3 60-965 Poz	nań			
Prere	quisites in term	s of knowledge, skills an	d social competencies:		
	Mechanical flows. Construction of pipeline systems and networks. Management of pipeline				
1	Knowledge	transport. [PRK6]		<b>0</b> 11	
2	Skills	The ability to rationally assess transmission and storage. Graphical and mathematical			
3	Social competencies	Strategic understanding of the country's energy needs and gas. Industrial and commercial aspect of energy and gas. The psychological lack of energy and gas. [PRK6]			
Assumptions and objectives of the course:					
To familiarize students with basic knowledge about all aspects of transport logistics / transport of liquids and gases. Preparing to manage this type of transport on the basis of gualitative and guantitative methods					
Study outcomes and reference to the educational results for a field of study					
Knowledge:					
1. has a structured and theoretically founded general knowledge related to key issues in the field of transport engineering -					
2. has knowledge about development trends and the most important new achievements of transport means and other,					
3. knows the economic, legal and other conditions of transport companies - [T2A W08 [P6S WG]]					
Skills:					
1. can acquire information from literature, databases and other sources (in Polish and English), integrate them, make their interpretation and critical evaluation, draw conclusions and formulate and fully justify opinions. TT2A_U01 [PTS_UW]					
2. can communicate in Polish and English using different techniques in a professional environment and in other environments,					
Social competencies:					
1. understands that in the field of transport engineering, knowledge and skills guickly become obsolete - [T2A K01 [P7S KK]]					
2. understands the importance of using the latest knowledge in the field of transport engineering in solving research and practical problems - [T2A_K02 [P7S_KK]]					
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Assessment methods of study outcomes					

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Jding piping, liquid and gas as >s / transport in general. The c stribution: types, components a >ts. Pipeline transport infrastru monitoring	cargo. Features and organization and design of and their functions. Icture in Poland. Means of				
Result of average student's workload					
Activity					
1. Participation in the lecture					
2. Consultation					
3. Preparing to pass					
4. Final test					
load					
hours	ECTS				
27	1				
27	1				
0	0				
	Ition Juling piping, liquid and gas as is / transport in general. The c tribution: types, components a its. Pipeline transport infrastrumonitoring  It's workload  Ioad  Ioad  Ioad  27 27 0				