		STUDY MODULE D	ESCRIPTION FORM		
	of the module/subject		Code 1010601311010641294		
Field of			Profile of study	Year /Semester	
Tran	sport		(general academic, practical) (brak)	1/1	
Elective path/specialty			Subject offered in:  Polish	Course (compulsory, elective) obligatory	
Cycle of study:			Form of study (full-time,part-time)	, J	
	First-cyc	cle studies	full-t	full-time	
No. of h	nours			No. of credits	
Lectu	re: <b>2</b> Classe:	s: - Laboratory: -	Project/seminars:	- 2	
Status	of the course in the study	program (Basic, major, other)	(university-wide, from another fi	eld)	
		(brak)		(brak)	
Educati	on areas and fields of sci	ence and art		ECTS distribution (number and %)	
tochi	nical sciences			2 100%	
tecili	Technical sciences	2000		2 100%	
	recillical scie	ences		2 100 /6	
Fac ul.P	Piotrowo3, 60-965 Poz	nes and Transportation nań is of knowledge, skills an	d social competencies:		
1	Knowledge	Mathematics at the secondary le	<del>-</del>	Statics, Strength of Materials	
1	Kilowieuge				
2	Skills	Define the functions and respon nodes, calculating machines fun		analyzing strength structural	
3	Social competencies	Gaining basic knowledge in the field of engineering statics, in particular in the field of transportation engineering			
Assu	mptions and obj	ectives of the course:			
Knowle	edge bases for the cor	nstruction and operation of materia	als handling		
	Study outco	mes and reference to the	educational results for	a field of study	
Knov	vledge:			-	
1. Kno	wledge of the construc	ction of key transport close, definir	ng the technical and operational	rules - [K1A_W04,05]	
	=	er units used in the means of trans	-		
Skills	S:				
[K1A_	U03]	e and analyze the design of conve			
		on of structural elements and com	ponents, transportation equipme	ent standard - [K1A_U06]	
	al competencies:				
		education, especially in technology			
		owledge in a wide range - [K1A_k		01	
ರ. Tec	nnicai cuiture on a dai	ly basis, exemplary technical colle	ege graduate profile - [K1A_K0	<b>ა</b> ]	

# Assessment methods of study outcomes -Rating activity of students in the class. -written test -Summary assessment of the talks on the basis of individual work, done as a final test

# **Faculty of Machines and Transport**

## **Course description**

- 1 The role of materials handling and storage of modern logistics.
- 2 The unit loads.
- 3 Components of means of transport: rods, pulleys, wheels, hooks, reels, latches, rail brakes. Lifts, selected designs.
- 4 Transport trucks. Cranes and cranes? design features, general characteristics.
- 5 Conveyors in handling.
- 6 Hoist, components, calculations.
- 7 Driving mechanism of transport equipment; powertrain components; calculation.

### Basic bibliography:

- 1. Raczyk R. Środki transportu bliskiego i magazynowania, Poznań, WPP 2009
- 2. Kijewski J. in. Maszynoznawstwo, Warszawa, WSiP 1993
- 3. Korzeń Z. Logistyczne systemy transportu bliskiego i magazynowania, Poznań, ILiM 98

### Additional bibliography:

- 1. Kozak B. Części maszyn z elementami mechaniki technicznej, Warszawa WSiP 2000
- 2. Piątkiewicz A. in. Dźwignice, Warszawa 1977
- 3. Skrzymowski W. Żurawie przeładunkowe Budowa i eksploatacja, Krosno, KABE 2006
- 4. Braum Z. Obsługa suwnic, Krosno, KABE 1999

### Result of average student's workload

Activity	Time (working hours)
1. Participation in lecture	30
2. Repetetion the lecture material	5
3. Consultation	2
4. Preparation for passing	10
5. Participation in exam	2

### Student's workload

Source of workload	hours	ECTS			
Total workload	49	2			
Contact hours	34	1			
Practical activities	0	0			