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		STUDY MODULE D	ESCRIPTION FORM		
Name of the module/subject  Maintenance				Code 1011104461011122775	
Field of	study		Profile of study (general academic, practical)	Year /Semester	
Logi	stics - Part-time	studies - First-cycle	(brak)	3/6	
Elective	path/specialty	-	Subject offered in: <b>Polish</b>	Course (compulsory, elective obligatory	
Cycle o	f study:		Form of study (full-time,part-time)		
First-cycle studies			part-time		
No. of h	iours			No. of credits	
Lectu	re: 12 Classe	s: 14 Laboratory: -	Project/seminars: -	2	
Status	of the course in the study	program (Basic, major, other)	(university-wide, from another field	d)	
		(brak)	(b	rak)	
Educati	on areas and fields of sci	ence and art		ECTS distribution (number and %)	
ul. S	ulty of Engineering Ma Strzelecka 11 60-965 I	Poznań	d assist samuetansias		
1	Knowledge	ms of knowledge, skills and social competencies:  Basic knowledge of tribology. Indispensable information within technology and machine parts			
2	Skills	The ability to acquire knowledge			
3	Social competencies	The ability to work in a group			
Assu	mptions and obj	ectives of the course:			
their us drawin mainte	se and handling. Keep g, technology and ma	oing the operating processes, taking terials science, acquiring the skills of the reliability of the diagnosis. D	ost important information from the ng into account the PN. On the ba s to secure the process of machine esigning cycles of technical inspe	sis of information from the ery and equipment	
	Study outco	mes and reference to the	educational results for a	field of study	
Knov	vledge:				
1. Has [K1A_\		: engineering graphics; design, te	chnology, the construction and op	eration of machinery -	
		: mechanics and machine-building	g industry as well as the strength of	of materials - [K1A_W07]	
Skills				1	
	nie to independently d	avaion the problem that exists wit	hin the studied subject - [K1A_U0	IN I	

2. Can make use of analytical, experimental and simulation method which falls within the scope of this area, can solve the project problem in the area of logistics and its detailed concepts (inventory management, logistics, distribution logistics and supply, logistics, ecologistics) and supply chain management - [K1A\_U09]

## Social competencies:

- 1. Is aware of the need for lifelong learning; inspiring and organizing the learning process of other persons within the framework of the studied subject areas - [K1A\_K01]
- 2. Is willing to work together and work in a group on the resolution in the framework of the studied subject [K1A\_K03]

Assessment methods of study outcomes					
Assessment exercises and test or exam.					

# Faculty of Engineering Management

## **Course description**

The program of the subject includes the following subject areas: the genesis of learning about the exploitation, the existence of a technical object, theories of exploitation. Rules for the exploitation of equipment. Use of the devices. Elements of tribology, friction, wear, lubrication, the top layer. Basic issues associated with reliability, quality and durability. Diagnostic machines. Types of diagnostic tests. Maintenance of machinery and equipment related to logistics, maintenance of means of transport and storage devices.

#### Classes

Technological process of repair of machinery. Disassembly. Repairs. Review, regeneration, machine parts. Regeneration methods of machine parts and their repair. Installation of machine parts. Methods of maintaining and securing the moving machinery.

## Basic bibliography:

## Additional bibliography:

## Result of average student's workload

Activity	Time (working hours)
1. lecture	15
2. laboratory	15
3. preparation for laboratory	20
4. preparation for an exam	30

### Student's workload

Source of workload	hours	ECTS
Total workload	80	3
Contact hours	30	2
Practical activities	15	1