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Poznan University of Technology Faculty of Engineering Management

STUDY MODULE DESCRIPTION FORM					
Name of the module/subject Technological mach	ines		Code 1011101341011122395		
Field of study	ement - Full-time studies -	Profile of study (general academic, practical) (brak)	Year /Semester		
Elective path/specialty	-	Subject offered in: Polish	Course (compulsory, elective) elective		
Cycle of study:	Cycle of study: Form of study (full-time,part-time)				
First-cycle studies		full-time			
No. of hours			No. of credits		
Lecture: 15 Classe		Project/seminars:	- 4		
Status of the course in the study	/ program (Basic, major, other) (brak)	•	(university-wide, from another field) (brak)		
Education areas and fields of so	cience and art		ECTS distribution (number and %)		
Responsible for subject / lecturer: dr hab. inż. Józef Gruszka, prof. nadzw. email: jozef.gruszka@put.poznan.pl tel. 6653408 Faculty of Engineering Management ul. Strzelecka 11 60-965 Poznań					
Prerequisites in term	ns of knowledge, skills an	d social competencies:			
1 Knowledge	Basic knowledge of technology				
2 Skills	The ability to acquire knowledge	}			
3 Social competencies	The ability to work in a group				
Assumptions and ob	jectives of the course:				
The aim of the subject is to	familiarize the students with the mo	ost basic types of machines			
Study outco	omes and reference to the	educational results for	a field of study		
Knowledge:					
1. Has a basic knowledge of: engineering graphics; design, technology, the construction and operation of machinery - [K1A_W05]					
2. Has a basic knowledge of: mechanics and machine-building industry as well as the strength of materials - [K1A_W07]					
Skills:					
 Is able to independently develop the problem that exists within the studied subject - [K1A_U05] 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:					
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.			
Course description			

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General mechanical engineering: selected topics from the theory of m engines, working elements in the mechanisms and machines: pneuma		on grip machines,
Basic bibliography:		
Additional bibliography:		
Result of average stude	nt'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 work	load	
Source of workload	hours	ECTS
Total workload	80	3
Contact hours	30	2
Practical activities	15	1