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		STUDY MODULE D	ESCRIPTION FORM		
	of the module/subject		Code 1011104341010222916		
Field of			Profile of study	Year /Semester	
Logi	stice - Part-time	studios - Eirst-cyclo	(general academic, practical) (brak)		
Logistics - Part-time studies - First-cycle Elective path/specialty			Subject offered in: Polish	Course (compulsory, elective)	
Cycle o	f study:	_	Form of study (full-time,part-time)		
First-cycle studies			part-time		
No. of h	nours			No. of credits	
Lectu	re: 12 Classes	s: - Laboratory: 12	Project/seminars:	- 4	
Status	of the course in the study	program (Basic, major, other)	(university-wide, from another	field)	
		(brak)		(brak)	
Educati	on areas and fields of sci	ence and art		ECTS distribution (number and %)	
I					
ema tel. Wyd	f. dr hab. inż. Stanisłav ail: stanislaw.legutko@ 616652577 dział Budowy Maszyn Piotrowo 3, 60-965 Po:	⊵put.poznan.pl i Zarządzania			
Prere	equisites in term	s of knowledge, skills an	d social competencies:	:	
1	Knowledge	Basic knowledge in the field of materials science, machine construction, manufacturing techniques.			
2	Skills	The student has the ability to thi Internet.	nk logically, use information obtained from literature and the		
3	Social competencies	The student understands the need to learn and acquire new knowledge.			
Assu	mptions and obj	ectives of the course:			
Unders		ues related to the design of techno	logical processes for the produ	uction of machine parts and	
	Study outco	mes and reference to the	educational results for	a field of study	
1. Can proces	s and its components; ses; select data for the	ses of existence of technical object; characterize the methods of come design of the technological process.	puter-aided design and implem	oroduction process, technologica nentation of technological	
Skills					
for a te	echnological operation				
techno	logical operation [K	- ·		-	
	can choose and apply logy [K1A_U15]	the right method to solve a simple	engineering task of a practica	I nature in the field of machine	
Socia	al competencies:				
		elong learning and the role of mad	•		
2. He ([K1A_l		s willing to cooperate and work in a	group to solve problems withi	n the studied subject	

Assessment methods of study outcomes

Faculty of Engineering Management

Forming rating

- a) in the field of the laboratory: based on the current progress of the exercise
- b) in the field of lectures: too large lecture group and limited time prevent any knowledge checking procedure

Assessment summary:

Lecture: Exam based on a written test consisting of 4 questions rated on a scale from 0 to 1. Credit for a minimum of 2.4 points.

Laboratory: Assessment based on oral or written answer in the scope of the content of each laboratory exercise, a report on each laboratory exercise as indicated by the laboratory conductor. All exercises must be completed in order to pass the laboratories (positive assessment of the answer and report).

Course description

Lecture:

General introduction to machine technology. Phases of the existence of a technical object. The essence of machine technology. New trends in machine technology. Production process. Technological process. Technological documentation. Output data for the design of the technological process. Semis. Technical working time standard. Machining bases. Allowances. Machining accuracy, errors. Product quality. The surface layer and its shaping factors. Technological equipment. Costs. Technological construction. Assembly. Designing technological processes of typical machine parts. Elements of computer-aided design of technological processes.

l ah:

- 1 Technology of machining axisymmetrical objects (shaft, sleeve, disc)
- 2 Post-processing techniques
- 3 The technology of machining non-axisymmetrical objects (body, lever, plate, bracket)
- 4 Robotic assembly technology
- 5 Technological process of a cylindrical gear

Teaching methods:

Lecture - informative and conversational lecture.

Laboratories - laboratory method.

Basic bibliography:

Additional bibliography:

Result of average student's workload

Activity	Time (working hours)
1. Lectures	12
2. Laboratory	12

Student's workload

Source of workload	hours	ECTS
Total workload	94	4
Contact hours	24	2
Practical activities	12	1