



Subject card

Subject name and code	Technologies of Machine Parts and Ship Equipment, PG_00045034						
Field of study	Ocean Engineering, Ocean Engineering						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2021/2022		
Education level	first-cycle studies	Subject group					
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Marine Mechatronics -> Faculty of Ocean Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Agnieszka Maczyszyn					
	Teachers	dr inż. Agnieszka Maczyszyn					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	15.0	0.0	0.0	30
	E-learning hours included: 0.0						
Adresy na platformie eNauczanie: Technologie części maszyn i urządzeń okrętowych - Moodle ID: 8264 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=8264							
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	30		3.0		12.0	45
Subject objectives	The aim of the course is to present various production processes and the characteristics of production methods and techniques.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U03] can use computer-aided design, production and operation tools for ocean technology objects and systems		The student is able to describe the components of production processes		[SU1] Assessment of task fulfilment		
	[K6_W05] has an organized knowledge on design, construction and operation of ocean technology objects and systems		The student knows the technical and technological requirements related to modern types of production processes		[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	1. PRODUCTION SYSTEM 2. THE STRUCTURE OF THE TECHNOLOGICAL PROCESS 3. DIVISION, PURPOSE AND APPLICATION OF MACHINE MACHINES 4. THE ORDER OF DEVELOPING TECHNOLOGICAL DOCUMENTATION 5. TECHNICAL STANDARD OF THE TIME 6. DIVISION OF PARTS FOR MACHINES IN VERSION OF THE PROCESS FROM THE GROUP: a) ROLLERS, b) BUSHES, c) LEVERS, d) BODY; 9. EXECUTION OF SHIP DEVICES, i.e. a) SHAFT, b) STEERING MACHINES, c) ANCHORING DEVICES.						
Prerequisites and co-requisites	The student has a basic knowledge of materials, The student knows the basic principles of work organization, The student has basic knowledge of machine engineering drawing and metrology,						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Laboratory reports		60.0%		50.0%		
	Colloquium from the lecture		60.0%		50.0%		
Recommended reading	Basic literature		.Feld M., Podstawy projektowania procesów technologicznych typowych części maszyn, Wydanie 5, Wydawnictwo WNT, Warszawa 2018				
	Supplementary literature		Wodecki J., Podstawy projektowania procesów technologicznych części maszyn i montażu, Wydawnictwo Politechniki Śląskiej, Gliwice 2013				
	eResources addresses		Technologie części maszyn i urządzeń okrętowych - Moodle ID: 8264 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=8264				

Example issues/ example questions/ tasks being completed	
Work placement	Not applicable