



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