

## 。 GDAŃSK UNIVERSITY OF TECHNOLOGY

## Subject card

Subject name and code	Computer aided maintenance of the stock of machines, PG_00053660								
Field of study	Mechanical Engineering								
Date of commencement of studies	October 2023		Academic year of realisation of subject			2025/2026			
Education level	first-cycle studies		Subject group						
Mode of study	Full-time studies		Mode of delivery			at the university			
Year of study	3		Language of instruction			English			
Semester of study	6		ECTS credits			2.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Division Of Manufacturing And Production Engineering -> Institute Of Manufacturing And Mat Technology -> Faculty Of Mechanical Engineering And Ship Technology -> Wydziały Politech					erials miki Gdańskiej			
Name and surname	Subject supervisor		dr inż. Aleksandra Suchta						
of lecturer (lecturers)	Teachers								
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project Se		Seminar	SUM	
	Number of study hours	15.0	15.0	0.0	0.0	0.0		30	
	E-learning hours inclu	uded: 0.0							
Learning activity and number of study hours	Learning activity	Participation i classes incluc plan		Participation in consultation hours		Self-study		SUM	
	Number of study hours	30		0.0		0.0		30	
Subject objectives	To familiarise students with the basic issues of machine stock maintenance in modern manufacturing companies.								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	K6_U09		The student describes the principles of selecting an effective maintenance strategy for a machine park in a production plant.			[SU2] Assessment of ability to analyse information			
	K6_U08		The student describes the categories of software used to support maintenance in production plants, their purpose and basic functionality.			[SU2] Assessment of ability to analyse information			
	K6_W11		The student has knowledge of the maintenance and repair of CNC machine tools and other machines and devices used in production.			[SW1] Assessment of factual knowledge			
	[K6_W12] possesses basic knowledge necessary to understand the ex-technical conditions of engineering activity, possesses basic knowledge on management, including quality management and running commercial enterprise, within the range of protection of intellectual property and patent law; knows general principles of creating and developing forms of individual entrepreneurship and basic HSE rules applicable to machine industry					[SW1] Assessment of factual knowledge			

Cubicat contacts							
Subject contents	LECTURE: Introductory maintenance knowledge and definitions. Tasks of the fleet maintenance system in modern production plants. OEE and other indicators used to evaluate the effectiveness of a plant maintenance system. Organisational solutions organisational solutions and the principles of their selection, taking into account the specificity of a production plant. Typical strategies maintenance and principles of their selection. Categories of software for computer aidedmaintenance and their areas of application.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade				
	Exercises	100.0%	10.0%				
	Final test	56.0%	90.0%				
Recommended reading	Basic literature 1. Legutko S.: Podstawy eksploatacji maszyn i urządzeń. WSiP.   2007.2. Honczarenko J.: Roboty przemysłowe, budowa i zastosowanie.   WNT. 2009.2.3. Honczarenko J.: Obrabiarki sterowane numerycznie.   WNT. 2010.						
	Supplementary literature	1 Other books on plant maintenance manufacturing plants					
	eResources addresses Adresy na platformie eNauczanie:						
Example issues/ example questions/ tasks being completed	General daily maintenance plan for CNC milling machines						
Work placement	Not applicable						

Document generated electronically. Does not require a seal or signature.