GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Team Project, PG_00029983
Field of study	Mechanical Engineering, Mechanical Engineering

Date of commencement of studies	October 2020	Academic year of realisation of subject	2022/2023
Education level	first-cycle studies	Subject group	
Mode of study	Part-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	Polish
Semester of study	6	ECTS credits	4.0
Learning profile	general academic profile	Assessment form	assessment

Conducting unit	Institute of Manufacturing and Materials Technology -> Faculty of Mechanical Engineering and Ship Technology

Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Jacek Haras
	Teachers	dr inż. Jacek Haras

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	30.0	0.0	30
	E-learning hours included: 0.0						
	Address on the e-learning platform: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=13283						

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	10.0	60.0	100

Subject objectives	Collaborative project performance using concurrent engineering techniques, acquire the ability to apply techniques of CAD / CAM

Learning outcomes	Course outcome	Subject outcome	Method of verification

Subject contents	Developing the structure of the process indicated. Analysis of the blank check. Modeling in a CAD parts and semi-finished fixtures. Development of the indicated operations on CNC machine tool with the use of CAM, including: selection of machine tools, the declaration of semi-finished and fixtures, selection of tools and cutting parameters for different treatments, generating tool paths, simulation processing, the program generates machining. Development of technological documentation.
Prerequisites and co-requisites	News from the manufacturing, CAD / CAM systems

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Project	60.0%	100.0%

Recommended reading	Basic literature	1. Augustyn A.: EdgeCAM komputerowe wspomaganie wytwarzania. Helion. Gliwice 2006. 2. Chlebus E.: Techniki komputerowe CAx w inżynierii produkcji, WNT, Warszawa 2000. 3. Feld M.: Podstawy projektowania procesów technologicznych typowych części maszyn. WNT. Warszawa 2007. 4. Jaskulski A.: Współbieżne projektowanie maszyn i urządzeń, Seminarium: WNT UWM, Olsztyn 2000.
	Supplementary literature	1. Documentation System Inventor Autodesk 2. Tools catalog CoroKey of Sandvik company.
	eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	Developing the structure of the process indicated. Analysis of the blank check. Modeling in a CAD parts and semi-finished fixtures. Development of the indicated operations on CNC machine tool with the use of CAM, including: selection of machine tools, the declaration of semi-finished and fixtures, selection of tools and cutting parameters for different treatments, generating tool paths, simulation processing, the program generates machining. Development of technological documentation.
Work placement	Not applicable