GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Work placement, PG_00055474		
Field of study	Mechatronics		
Date of commencement of studies	October 2021	Academic year of realisation of subject	2024/2025
Education level	first-cycle studies	Subject group	Optional subject group
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	4	Language of instruction	Polish
Semester of study	7	ECTS credits	6.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Institute of Mechanics and Machine Design -> Faculty of Mechanical Engineering and Ship Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Michał Mazur	
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	0.0	0.0	0.0	0

E-learning hours included: 0.0

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	0	4.0	146.0	150

Subject objectives

Understanding the work environment. Applying the knowledge gained while studying at university to solve practical tasks. Identification of purpose machines and production equipment. Knowing, handling and performance of professional activities using tools, devices and technological equipment. Analysis of circulation of documents and information flow within the company. Technical project (structural, technological, organizational or business). Gathering material for the thesis. The acquisition of basic skills and professional competence.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U07] is able to design elements of mechatronic systems taking into consideration given application and economic criteria, using appropriate methods, techniques and tools	can - in accordance with the given specification - design, estimate costs and implement a simple device, object, system or process, typical for mechatronics, using appropriate methods, techniques and tools	[SU4] Assessment of ability to use methods and tools
[K6_K02] is aware of social role of the technical university alumni, the importance of professional attitudes, obeying ethic rules with respect to diverse point of views and cultures, understands the need for permanent self-learning	is aware of the social role of a mechatronics graduate, the importance of behaving in a professional manner, observing the rules of professional ethics, respecting the diversity of views and cultures, understands the need and knows the possibilities of continuous training	[SK1] Assessment of group work skills
[K6_U08] is able - according to a given specification - design, calculate costs and develop a simple device, object, system or process typical for mechatronics, using approproate methods, techniques and tools	can - in accordance with the given specification - design, estimate costs and implement a simple device, object, system or process, typical for mechatronics, using appropriate methods, techniques and tools	[SU4] Assessment of ability to use methods and tools
[K6_U11] is able to evaluate usefulness of methods and tools to solve simple, practical engineering task, distinctive for mechatronics and is able to choose the proper method and tools	is able to choose and apply the appropriate method and tools to solve an engineering task of a practical nature, characteristic for mechatronics is able to choose and apply the appropriate method and tools to solve an engineering task of a practical nature, characteristic for mechatronics	[SU4] Assessment of ability to use methods and tools

<table>
<tr><td>Subject contents</td><td>Framework program of practices: 1. Introductory classes - presentation of the company, objectives and program practices, health and safety training, and download personal protection. 2. Work in selected department business - tasks and organization of the faculty, department of production machinery, production processes and technologies, system of organization department, making and workflow, production, materials management in the enterprise, heat treatment, thermo-chemical and diffusion, modification or development project technical (technological) or business, engineering and technological equipment, production materials, maintenance of production equipment, measurement, diagnostic, laboratory systems, computer-aided engineering, automation and computer-aided manufacturing and services, exploitation service and repair of production equipment, machinery maintenance , Customer Service. Design, construction and repair of mechatronic systems. 3. Completion of practice - performance report (reports) from the practice, the execution of formalities relating to the completion and cash on practice.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Certificate of completion of practice or other documents proving it.</td><td>100.0%</td><td>70.0%</td></tr>
<tr><td>Report - pass of practice (conversation)</td><td>100.0%</td><td>15.0%</td></tr>
<tr><td>Practical placement - student's file</td><td>100.0%</td><td>15.0%</td></tr>
</table>
</td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>Is not specified.</td></tr>
<tr><td>Supplementary literature</td><td>Is not specified.</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>Possible topics / questions / tasks performed:1. Design of technological processing machine parts.2. The project mechatronic devices.3. Knowledge of the construction and maintenance of machinery manufacturing technology controlled mechatronic device.4. Maintenance and repair of production equipment or mechatronics.</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
</table>

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