



Subject card

Subject name and code	Vocational Training, PG_00048071						
Field of study	Biomedical Engineering						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2025/2026		
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		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Biomedical Engineering -> Faculty of Electronics, Telecommunications and Informatics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Tomasz Neumann				
	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		2.0		48.0	50
Subject objectives	<p>The objectives of practice are as follows:</p> <ul style="list-style-type: none">• apply knowledge and skills acquired during previous studies,• acquisition of a new knowledge, skills and social competence• knowledge of the industrial environment of teamwork and the conditions and rules in force in this environment• development of appropriate attitudes to work in a team : taking care of the quality of work , timeliness tasks, correct cooperation with others and cells in the place of practice , developing his own initiative in the work environment , the acquisition of skills work efficiently as a team.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_U08] while identifying and formulating specifications of engineering tasks related to the field of study and solving these tasks, can:n- apply analytical, simulation and experimental methods,n- notice their systemic and non-technical aspects,n- make a preliminary economic assessment of suggested solutions and engineering work n	Can analyze the problem in terms of tools and methods useful for solving it.	[SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information
	[K6_K02] is ready to critically assess possessed knowledge and acknowledge the importance of knowledge in solving cognitive and practical problems	The student is aware of the broadening of knowledge regarding problems related to the implementation of the project.	[SK5] Assessment of ability to solve problems that arise in practice
	[K6_K01] is ready to cultivate and disseminate models of proper behaviour in and outside the work environment; make independent decisions; critically evaluate actions of their own, teams they lead and organisations they are part of; take responsibility for results of these actions; responsibly perform professional roles, including:n - observing rules of professional ethics and require it from others,n - care for the achievements and traditions of the profession	Student is able to gather new knowledge necessary for realization of tasks in given workplace	[SK5] Assessment of ability to solve problems that arise in practice
	[K6_K03] is ready to meet social obligations, co-organise activities for the social environment, initiate actions for the public interest, think and act in an entrepreneurial way	The student is able to organize group work, separate tasks, analyze the consequences of activities related to the implementation of the project.	[SK1] Assessment of group work skills
	[K6_U11] can plan and organise individual and team work	Student realizes tasks, working as a part of a team	[SU1] Assessment of task fulfilment
Subject contents	<ol style="list-style-type: none"> 1. Installation, configuration and administration of computer networks of moderate complexity, including wireless networks. 2. Installation, configuration and administration of software systems, including application servers and database management systems. 3. Design, implementation and modification of software, including the use of CASE systems. 4. Testing the software, including the use of automated testing tools. 5. Design and implementation of websites and advanced user interfaces. 6. The use of advanced IT tools to process audio files, images and video. 7. Setting up external devices connected to the computer, extension and modification of its internal structure based on standard modules and internal devices (memory cards, graphics, network processors, drives). 8. Cooperation in a team, to participate in relationships with customers and suppliers. <p>The student is recommended to agree with the company supervisor precise timetable practice activities for each of the four weeks. At that time, the student should also become familiar with the organization of work workplace basic divisions: design, finance, procurement and eventually technological lines.</p>		
Prerequisites and co-requisites	The student must declare his intention to do a apprenticeship at his own facility for the dean's proxy and get his permission. If a student is employed under a contract of employment, it must also prepare a tripartite agreement by the formula established by the Department. Other types of internships are defined in separate apprenticeship regulations for the actual academic year.		

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Report and positive evaluation from your workplace	100.0%	100.0%
Recommended reading	Basic literature	No recommendations	
	Supplementary literature	No recommendations	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	The pass mark is overwork at least 160 hours. Practice is classified on the basis of the report, The content of the report is determined through appropriate document approved by the Faculty Council.		