GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Vocational Training, PG_00058924
Field of study	Informatics

Date of commencement of studies	October 2023	Academic year of realisation of subject	2026/2027
Education level	first-cycle studies	Subject group	Optional subject group
Mode of study	Part-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 Microelectronic Systems -> Faculty of Electronics, Telecommunications and Informatics

Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Mariusz Szwoch
	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	The objectives of practice are as follows: • apply knowledge and skills acquired during previous studies, • acquisition of 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_K02] is ready to critically assess possessed knowledge and acknowledge the importance of knowledge in solving cognitive and practical problems	The student learns about the need for constant replenishment knowledge	[SK5] Assessment of ability to solve problems that arise in practice
	[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	The student has the knowledge necessary to produce systems. The student learns about the need for constant replenishment knowledge	[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment
	[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 professionn	Is able to independently make decisions, critically evaluate own and other activities and take responsibility for the consequences of decisions taken.	[SK2] Assessment of progress of work [SK3] Assessment of ability to organize work
	[K6_U11] can plan and organise individual and team work	The student is able to plan and organize work - individual and in a team	[SU1] Assessment of task fulfilment
	[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 plan and organize work - individual and in a team	[SK1] Assessment of group work skills [SK3] Assessment of ability to organize work

Subject contents	The professional internship plan must contain at least three selected tasks from the following technical and engineering skills block:

1. Installation, configuration and administration of small computer networks, including wireless ones.
2. Implementation of information security policy in a company or institution, installation of anti-virus protection, configuration of firewalls.
3. Installation, configuration and administration of software, in particular operating systems and application servers.
4. Design, implementation and modification of software in various technologies and for various applications.
5. Software testing, also using automated testing tools.
6. The use of open program components, taking into account the legal relationships between them and the resulting product.
7. Database design and implementation as well as performance testing.
8. Using advanced methods and technologies for processing, storage, transformation and data analysis (Big Data, Business Intelligence, data warehouses)
9. Design and prototyping of advanced user interfaces.
10. Using advanced IT tools for processing sound, image and video files.
11. Configuration of external computer devices, expansion and modification of its module structure and internal devices.
12. Preparation and testing of software for simple microcontrollers and embedded systems.
13. Preparation and analysis of technical documentation of IT projects, use of models and management tools for e-business.

Prerequisites and co-requisites	Before starting the internship, the student must complete the following formalities within the time limit indicated by the Dean's representative for professional internships:
	1. Report in the manner specified in the current internship regulations about intending to do an internship in the plant of your choice and obtain the consent of the Dean's representative for internships.
	2. In the cases indicated in the current internship regulations, obtain the consent of the relevant vice-dean and provide it to the dean's attorney for internships.
	3. In the case of unpaid internships, obtain a signed contract between the workplace and PG WETI and provide data for accident insurance.

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Report, positive assessment of the workplace and compliance with procedures	60.0%	100.0%

Recommended reading	Basic literature	No recomendations
	Supplementary literature	No recomendations
	eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	

Work placement	The subject is internship.