GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	PRACTICE, PG_00054818		
Field of study	Biotechnology		
Date of commencement of studies	October 2022	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	3	Language of instruction	Polish
Semester of study	6	ECTS credits	6.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Polymer Technology -> Faculty of Chemistry		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Paweł Filipkowski	
	Teachers	dr inż. Andrzej Skwarecki dr hab. inż. Hubert Cieśliński dr inż. Izabela Koss-Mikołajczyk	

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	178.0	180

Subject objectives	Student describes the chemical basis of production in the plant. Student gains knowlegde on functioning of theproduction company Student works in groups

Learning outcomes

Course outcome	Subject outcome	Method of verification
K6_K04	The student learns about problems resulting from social concerns related to the development of biotechnology. He also learns about the real threats, especially those resulting from the development of this field of science. He learns to recognize real threats and learns about methods of solving them.	[SK5] Assessment of ability to solve problems that arise in practice
K6_U08	The student is able to apply knowledge and analyze the functioning of existing solutions in the biotechnology industry.	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject
K6_K01	Student has a sense of responsibility, pursuit of the goal and diligence in the job	[SK3] Assessment of ability to organize work [SK4] Assessment of communication skills, including language correctness [SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills
K6_K06	The student is able to work in a team. Learns to coordinate team activities.	[SK1] Assessment of group work skills [SK2] Assessment of progress of work
K6_K03	The student learns about the threats resulting from the development of science and technology related to the economy	[SK5] Assessment of ability to solve problems that arise in practice

Subject contents

The aim of the general apprenticeship is to improve of technological and engineering skills obtained by students in the course of studies by comparison with technological processes and questions of engineering realized on an industrial scale, in a given institution. If possible, the general apprenticeship should familiarize students with the following problems: - getting familiar with the organization of work: - the determination of location conditions, - knowledge of applied technologies, the origin and preparation of materials, - basic apparatus, - getting familiar with the shift work, production conditions and necessary doccuments, - getting aquainted with organization of technological section, duties of the chief technologist, - solving problems according to the recommendations of the apprenticeship supervisor. Students spend at least four weeks in the institution related to the area of study (industrial plant, R & D laboratory). In addition, during the general apprenticeship students acquaint with organizational structure, its regulations as well as the structure of production in the chosen company. If this is possible, the apprenticeship should familiarize students with the following problems: - institutional work regulations, safety and hygiene procedurs as well as the protection of state secret and confidential information; - the organizational structure of institution; - information about manufactured products and marketing; - the main foundations of system of quality management and environmental protection; - main stages of production as well as technological sections.

Prerequisites and co-requisites

The basic knowledge of chemistry, chemical technology and biotechnology.

How long does a professional internship last?Question: How long does a professional internship last in my field/semester?Answer: You can find the answer here https://ects.pg.edu.pl/pl/courses. Choose your field of study/specialization/semester and find the section on internships. Additionally, according to the regulations of professional internships - the weekly amount of professional internships cannot exceed 40 hours.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Written report on the apprenticeship	60.0%	40.0%
Chart of apprenticeship	100.0%	10.0%
A certificate of completion	100.0%	50.0%

Recommended reading	Basic literature	Regulamin odbywania praktyk zawodowych Politechniki Gdańskiej, Zarządzenie Rektora nr 2/2011 z 28 stycznia 2011r. (http://www.pg.gda.pl/chem/pl/images/stories/dokumenty_wydzialowe/reg-2011.pdf) Lista katedralnych opiekunów praktyk studenckich dostępna pod adresem: http://www.pg.gda.pl/chem/pl/images/stories/dokumenty_wydzialowe/katedralni_opiekunowie_praktyk.pdf Instrukcje BHP, technologiczne i inne materiały dostarczane przez zakład goszczący praktykanta.
	Supplementary literature	No requirements
	eResources addresses	Adresy na platformie eNauczanie: '24/'25 PRAKTYKA ZAWODOWA - Moodle ID: 45639 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=45639
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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