



Subject card

Subject name and code	PRACTICE, PG_00049354						
Field of study	Biotechnology						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2022/2023		
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 Chemistry, Technology and Biochemistry of Food -> Faculty of Chemistry						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Paweł Filipkowski					
	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						
	'22/'23 PRAKTYKA ZAWODOWA, PG_00049354 sem. letni - Moodle ID: 28732 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=28732						
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		5.0	155.0	160	
Subject objectives	Student describes the chemical basis of production in the plant. Student gains knowlegde on functioning of the production company Student works in groups						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	K6_K04	The student learns about the problems arising from social fears related to the development of biotechnology. He also learns about these real threats, in particular those resulting from the development of this field of science. He learns to recognize actual threats and learns the methods of solving them.	[SK5] Assessment of ability to solve problems that arise in practice
	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
	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 can work in a team. Learns to coordinate team activities.	[SK1] Assessment of group work skills [SK2] Assessment of progress of work	
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 documents, - getting acquainted 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 procedures 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.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	A certificate of completion	100.0%	50.0%
	Written report on the apprenticeship	60.0%	40.0%
	Chart of apprenticeship	100.0%	10.0%
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		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		