GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Engineering Diploma Project, PG_00058319		
Field of study	Biotechnology		
Date of commencement of studies	October 2020	Academic year of realisation of subject	2023/2024
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	15.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Pharmaceutical Technology and Biochemistry -> Faculty of Chemistry		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Tomasz Laskowski	
	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	30.0	30

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	30	50.0	295.0	375

Subject objectives

The aim of this course is to conduct scientific research, finally presented in a form of engineer dissertation.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K6_K01	Student systematically and thoroughly conducts the scientific experiments, which are set to solve a stated problem and to describe the outcome in a form of longer dissertation.	[SK2] Assessment of progress of work [SK3] Assessment of ability to organize work
K6_U11	Student is able to exploit computer software for data processing and visualisation.	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information
K6_K06	Student makes constant progress, which is processed on the way in a form of lab notebook.	[SK2] Assessment of progress of work [SK3] Assessment of ability to organize work
K6_W08	Student understands the basic concepts of natural sciences constituting the biotechnology.	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects
K6_U08	Student is able to propose a path to solve a given problem based on conducted literature studies.	[SU3] Assessment of ability to use knowledge gained from the subject [SU5] Assessment of ability to present the results of task

Subject contents

Depending on the topic:

- spectroscopic studies, aided by chemometric analyses,
- NMR spectroscopy studies.

Prerequisites and co-requisites

Basics of spectroscopy, work with computers and spreadsheets.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
	60.0%	100.0%

Recommended reading

Basic literature	Provided by supervisor.
Supplementary literature	Provided by supervisor.

	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	