



Subject card

Subject name and code	Engineering diploma project II, PG_00060776						
Field of study	Chemical Technology						
Date of commencement of studies	October 2026	Academic year of realisation of subject				2029/2030	
Education level	first-cycle studies	Subject group				Optional subject group Subject group related to scientific research in the field of study	
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				4.0	
Learning profile	general academic profile	Assessment form				assessment	
Conducting unit	Department of Polymer Technology -> Faculty of Chemistry -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Justyna Kucińska-Lipka				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	60.0	0.0	60
	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	60		5.0		35.0	100
Subject objectives	Preparation of an engineering diploma project, including conducting a literature review within the scope of the diploma thesis topic and carrying out planned experimental work, processing the obtained results and their analysis.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U02] Performs design calculations of technological processes, selects industrial equipment, operates laboratory equipment and conducts material analyses		can independently plan and implement their own work related to the topic of their engineering project, including searching for and analyzing literature and analyzing obtained research results. Students can operate scientific equipment, machines, and devices necessary to complete an engineering diploma project in the field of polymer chemistry and technology.		[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task		
	[K6_K02] is aware of the responsibility for his/her work and is ready to work in a team and share responsibility for common tasks.		is able to apply applicable occupational health and safety regulations when working in a chemical laboratory and on the technological floor. The student conducts himself in a professional and responsible manner when performing tasks related to the engineering diploma project.		[SK3] Assessment of ability to organize work [SK2] Assessment of progress of work		
Subject contents	<p>Course content – project</p> <ul style="list-style-type: none"> Literature review related to the engineering diploma project Selection of research methods and techniques to achieve the objectives of the engineering diploma project Occupational health and safety in the chemical laboratory and on the technological hall Realization of experimental work (in accordance with the scope of the diploma project) Development and analysis of research results Preparation of an engineering diploma project 						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		Engineering diploma project	100.0%
Recommended reading	Basic literature	<ul style="list-style-type: none"> J.F. Rabek: Współczesna wiedza o polimerach. Tom 1: Budowa strukturalna polimerów i materiały badawcze, PWN, Warszawa 2017 J.F. Rabek: Współczesna wiedza o polimerach. Tom 2: Polimery naturalne i syntetyczne, otrzymywanie i zastosowania, PWN, Warszawa 2017 G.W. Ehrenstein, Ż. Brocka-Krzemińska: Materiały polimerowe: Struktura, właściwości, zastosowanie, PWN, Warszawa 2016 Scientific literature (textbooks and scientific publications) related to the engineering project 	
	Supplementary literature	Scientific literature, industry standards, procedures and instructions indicated by the engineering project supervisor	
	eResources addresses		
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> Review of scientific publications related to the engineering project, taking into account the identified points. Preparation of a work schedule for the semester and deadlines for submitting interim reports. Conducting research work agreed upon with the supervisor Processing and analyzing the results Preparing the engineering diploma project 		
Practical activities within the subject	Not applicable		

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