



Subject card

Subject name and code	Engineering diploma project I, PG_00060775						
Field of study	Chemical Technology						
Date of commencement of studies	October 2026	Academic year of realisation of subject				2028/2029	
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	3	Language of instruction				Polish	
Semester of study	6	ECTS credits				2.0	
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	30.0	0.0	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		2.0		18.0	50
Subject objectives	Starting work on the preparation of an engineering diploma project, including conducting a literature review on the topic of the diploma thesis and planning and commencing experimental work						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_K01] Is aware of the social role of a technical university graduate and understands the need to provide information about technical achievements and engineering activities to society, including through the media.	knows and correctly uses terminology related to polymer chemistry and technology. Students can describe the production, properties, and applications of plastics (including topics from their own thesis) and their importance to society in a popular science and technical manner.			[SK2] Assessment of progress of work [SK4] Assessment of communication skills, including language correctness		
	[K6_U01] Is able to independently plan the learning process and acquire, analyse and interpret information from various sources, also in English.	is able to obtain information from scientific literature (scientific publications and academic textbooks) and databases, especially foreign ones, in the area related to polymer chemistry and technology. The student is able to analyze the obtained information and draw appropriate conclusions			[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		
Subject contents	Course content – project <ul style="list-style-type: none"> Literature review related to the engineering diploma project Planning the implementation of 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 Commencing experimental work (in accordance with the scope of the diploma project) 						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Report on the conducted literature review	100.0%	50.0%
	Report on the experimental work carried out	100.0%	50.0%
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. 		
Practical activities within the subject	Not applicable		

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