

SDAŃSK UNIVERSITY 的 OF TECHNOLOGY

Subject card

Subject name and code	DIPLOMA LABORATORY WORK, PG_00048972								
Field of study	Green Technologies								
Date of commencement of studies	October 2023		Academic year of realisation of subject			2024/2025			
Education level	second-cycle studies		Subject group			Obligatory subject group in the field of study			
Mode of study	Full-time studies		Mode of delivery			at the university			
Year of study	2		Language of instruction			English			
Semester of study	3		ECTS credits			5.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department of Energy	y Conversion a	nd Storage ->	Faculty of Che	mistry	-			
Name and surname	Subject supervisor	ubject supervisor							
of lecturer (lecturers)	Teachers								
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t Seminar		SUM	
of instruction	Number of study hours	0.0	0.0	75.0	0.0	0.0		75	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity	Participation in classes includ plan		Participation in consultation hours		Self-study		SUM	
	Number of study hours	75		15.0		40.0		130	
Subject objectives	The aim of the course	e is to carry out	the research r	needed to write	a mast	er's the	sis.		
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	[K7_W01] a broader and deeper knowledge of certain branches of mathematics, including elements of applied mathematics and optimization methods including mathematical methods, useful to formulate and solve complex tasks in the field of environmental technologies and modern analytical methods		Has the knowledge to create a research plan and solve existing problems.						
	and enterprising, has the ability to negotiate, is aware of its own limitations and know when to ask the experts [K7_K03] can consciously and supported by the experience to present your work, provide information in a manner commonly understood, to communicate, to		work in a group and assess his skills in terms of the tasks performed. He asks for help in case of problems in the implementation of the entrusted functions. The graduate student is able to present the effects of his work in an understandable and clear manner. Can critically evaluate his / her work and formulate proposals for solving existing problems.						

Quilia et contonto	proportion of a reasonab plan							
Subject contents	- preparation of a research plan							
	 preparation of the stand and samples carrying out research analysing the results 							
Prerequisites								
and co-requisites								
Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade					
and criteria	Implementation of the research	60.0%	100.0%					
	plan							
Recommended reading	Basic literature	- Fthenakis, V. M., Duby, P., Wang, W., Graves, C., & Belova, A.						
		(2006). Recycling of CdTe Photovoltaic Modules: Recovery of Cadmium and Tellurium. 21st European Photovoltaic Solar Energy						
		Conference, 25392541.						
		- Sinha, P. (2013). Life cycle materials and water management for						
		CdTe photovoltaics. Solar Energy Materials and Solar Cells, 119, 271275.						
		- Menezes, S. (2001). Electrochemical approach for removal, separation and retrieval of CdTe and CdS films from PV module waste.						
		a Cas hims from PV module waste.						
		(pozostałe pozycje do ustalenia z promotorem)						
		(· · ·					
	Supplementary literature additional publications							
	eResources addresses	Adresy na platformie eNauczanie:						
Example issues/								
example questions/								
tasks being completed	Not applicable							
Work placement	Not applicable							