

## 关。GDAŃSK UNIVERSITY 多 OF TECHNOLOGY

## Subject card

Subject name and code	DIPLOMA LABORATORY WORK, PG_00048972							
Field of study	Green Technologies							
Date of commencement of studies	February 2024		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 Conversion and Storage -> Faculty of Chemistry							
Name and surname	Subject supervisor							
of lecturer (lecturers)	Teachers							
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Projec	t Seminar		SUM
	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 13		130
Subject objectives	The aim of the course is to carry out the research needed to write a master's thesis.							
Learning outcomes	Course outcome		Subject outcome			Method of verification		
	[K7_K03] can consciously and supported by the experience to present your work, provide information in a manner commonly understood, to communicate, to make self-assessment and constructive criticism of the work of others, the reasons for different points of view		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.					
	as a team, taking in the different roles, can properly identify priorities for implementation specified by you or other tasks, is able to think and act in a creative		Has the knowledge to create a research plan and solve existing problems. The graduate student is able 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.					

Cubicat contanta	proparation of a reasonab plan							
Subject contents	- preparation of a research plan							
	<ul> <li>preparation of the stand and samples</li> <li>carrying out research</li> <li>analysing the results</li> </ul>							
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 v Thin Solid Films, 387(12), 175178.						
		(pozostałe pozycje do ustalenia z promotorem)						
		,						
	upplementary literature additional publications							
	eResources addresses	Adresy na platformie eNauczanie:						
Example issues/								
example questions/								
tasks being completed	Natansiashis							
Work placement	Not applicable							