GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	History of discoveries and inventions , PG_00038532		
Field of study	Chemical Technology		
Date of commencement of studies	February 2023	Academic year of realisation of subject	2022/2023
Education level	second-cycle studies	Subject group	Obligatory subject group in the field of study Humanistic-social subject group
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	Polish
Semester of study	1	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Polymers Technology -> Faculty of Chemistry		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Justyna Kucińska-Lipka	
	Teachers	dr hab. inż. Justyna Kucińska-Lipka dr inż. Aneta Pacyna-Kuchta dr inż. Patrycja Szumała dr inż. Paulina Parcheta-Szwindowska dr inż. Maciej Sienkiewicz dr inż. Marcin Włoch dr hab. inż. Hubert Cieśliński dr inż. Ewa Głowińska dr inż. Konrad Trzciński	

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	15.0	45
	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	45	5.0	25.0	75

Subject objectives

The aim of the course is to familiarize students with discoveries, Nobel prizes and issues related to these discoveries in chronological order in different branches of the science.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K7_K02	can interest the social environment with facts and scientific discoveries	[SK4] Assessment of communication skills, including language correctness
K7_K01	can associate the facts of scientific discoveries with their application	[SK4] Assessment of communication skills, including language correctness

Subject contents

Issues related to the history of optical microscopy , electron and atomic force microscopy , Nobel prizes in this field and discoveries made with regard to these research methods.History of substitute materials and new applications of modern materials. Microorganisms and their detection and the importance for humanity. Inventions in XXI century.

Prerequisites and co-requisites

The basic chemical and technicalknowledge

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Seminar	60.0%	40.0%
Lecture	60.0%	60.0%

Recommended reading

Basic literature	Czasopisma, patenty, biografie
Supplementary literature	Encyclopedia
eResources addresses	

Example issues/ example questions/ tasks being completed	
Work placement	Not applicable