University of Gdańsk

Subject card

Subject name and code	Information technology, PG_00103631		
Field of study	Environmental Protection		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2024/2025
Education level	undergraduate 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	1	Language of instruction	Polish Polish
Semester of study	2	ECTS credits	2.0
Learning profile	academic	Assessment form	
Conducting unit	Katedra Chemii Teoretycznej -> Faculty of Chemistry		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Magdalena Ślusarz	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	30.0	0.0	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	5.0	15.0	50

Subject objectives

- To familiarize students with the following UG portals: eUczelnia, Educational Portal and UG Knowledge Base.
- To familiarize students with an email account, cloud files and searching for information in the WWW resources
- Introducing basic tools for: data analysis, text edition and graphical representation of data, editing raster and vector graphics and creating scientific multimedia presentations
- To familiarize students with creating and editing websites
- Introducing programs for molecules visualization and drawing of chemical reactions

Learning outcomes

Course outcome	Subject outcome	Method of verification
[OŚL3_W02] Characterises the relationships and relationships between various disciplines of natural sciences and science, uses knowledge of mathematics, physics, chemistry and biology in the description of basic concepts, concepts and principles in environmental protection.	Student knows how to use the internet resources and online chemical databases to find necessary scientific informations.	[SW1] oral statement/ conversation/discussion
[OŚL3_K08] Is responsible for and takes care of the specialist equipment entrusted to her/him for research and laboratory or field work.	Demonstrates responsibility for entrusted equipment in the computer lab.	[SK8] observation of student's independent or team work
[OŚL3_U11] Uses statistical methods as well as algorithms and IT techniques, including application software packages to describe environmental experiments and analysis of typical data in socio-economic activities based on science and natural sciences.	Creates files and directories; builds structures of chemical compounds; makes graphs of mathematical functions showing relationships based on experimental data; performs image editing.	[SU5] implementation of a problem task [SU6] demonstration of practical skills
[OŚL3_K02] Works individually demonstrating initiative and independence in actions, and effectively cooperates in a team, performing various roles in it.	Independently performs the tasks using the tools and programs he has learned.	[SK8] observation of student's independent or team work
[OŚL3_W03] Operates mathematical, statistical and IT methods and tools in the description and interpretation of phenomena and processes occurring in the environment.	Knows the basic tools for text editing, analyzing experimental data, drawing graphs and visualizing chemical molecules.	[SW1] oral statement/ conversation/discussion [SW5] implementation of a problem task

Subject contents

None

Prerequisites and co-requisites

None

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Obtaining the required percentage value take from the average of the partial grades received during the semester.	51.0%	100.0%

Recommended reading

Basic literature	None
Supplementary literature	None
eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed

- Making a graph of concentration-time dependence during the course of a chemical reaction.
- Constructing the structure of a neurohypophyseal hormone molecule.
- Creating a website about laboratory glassware.

Work placement

Not applicable

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