University of Gdańsk

Subject card

Subject name and code	Information technology, PG_00044043		
Field of study	Chemical Business		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2024/2025
Education level	Bachelor's 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	1	ECTS credits	2.0
Learning profile	academic	Assessment form	credit
Conducting unit	Department of Theoretical Chemistry -> Faculty of Chemistry -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Magdalena Ślusarz	
	Teachers	Piotr Ciura prof. dr hab. Iwona Anusiewicz dr hab. Sylwia Freza Adrianna Cyraniak	

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
[BCHINŻ_U04] In the course of carrying out engineering tasks, s/he uses basic statistical methods, IT techniques and uses application software packages to describe chemical processes and experimental data.	Creates files and directories; searches Internet resources to find the information; draws structures of chemical compounds; draws mathematical functions to illustrate scientific relationships, creates multimedia presentations, and performs image editing.	[SU2] presentation/project/paper/report [SU6] demonstration of practical skills
[BCHINŻ_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.	[SK5] implementation of a problem task [SK8] observation of student's independent or team work

<table>
<tr><td>Subject contents</td><td colspan="3">Subject matter: accounts, passwords, safety; using WWW resources (e-mail, web browsers, eUczelnia Portal, UG Educational Portal, UG Knowledge Base); office suite word processor, spreadsheet and charts, presentations; tools for drawing and visualization of the molecule structures; graphics editing (both raster and vector); creating web pages.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td colspan="3">None</td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>Obtaining the required percentage value take from the average of the partial grades received during the semester.</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">None</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">None</td></tr>
<tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">• Making a graph of concentration-time dependence during the course of a chemical reaction.
• Constructing the structures of neurohypophyseal hormone molecule.
• Creating a website about laboratory glassware.</td></tr>
<tr><td>Work placement</td><td colspan="3">Not applicable</td></tr>
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