

Subject card

Subject name and code	Information technology, PG_00044043						
Field of study	Chemical Business						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2026/2027		
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		
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						
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		
Subject contents	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.						
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		
Example issues/ example questions/ tasks being completed	• 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.		
Work placement	Not applicable		

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