

Subject card

Subject name and code	Information technology, PG_00082088						
Field of study	Chemistry						
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	e-learning				
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 -> Rektor						
Name and surname of lecturer (lecturers)	Subject supervisor	dr Magdalena Ślusarz					
	Teachers	dr hab. Celina Sikorska dr Magdalena Ślusarz dr hab. Rafał Ślusarz prof. dr hab. Piotr Skurski Dawid Falkowski					
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: 30.0						
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	<ul style="list-style-type: none"> • 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
	[CHEML3_K01] Identifies the level of her/his own knowledge and skills and the need for continuous learning and personal development.	Demonstrates responsibility for the equipment entrusted to him; understands the need for further learning.	[SK8] observation of student's independent or team work
	[CHEML3_U06] Uses basic application software packages to solve problems from the field of science.	Creates files and directories; searches Internet resources to find the information; draws structures of chemical compounds; draws mathematical functions to illustrate scientific relationships and performs image editing.	[SU5] implementation of a problem task [SU6] demonstration of practical skills
	[CHEML3_U07] Prepares documented elaboration on a specific problem in the field of selected chemical and physical issues.	Creates multimedia presentations on a given topic.	[SU2] presentation/project/paper/report
[CHEML3_W09] Describes the practical applications of IT tools (computer programmes) for chemical calculations and data analysis.	Knows the basic tools for text editing, analyzing experimental data, drawing graphs and visualizing chemical molecules.	[SW1] oral statement/conversation/discussion	
Subject contents	Subject matter: accounts, passwords, safety; using WWW resources (e-mail, web browsers, UG Student Portal, UG EducationalPortal, 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	Adresy na platformie eNauczanie: Technologia Informacyjna dla kierunku chemia - Moodle ID: 6351 https://mdl.ug.edu.pl/course/view.php?id=6351	
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> • 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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