



Subject card

Subject name and code	Information Technology, PG_00037398						
Field of study	Biotechnology						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2020/2021		
Education level	first-cycle 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	2	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Pharmaceutical Technology and Biochemistry -> Faculty of Chemistry						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Marek Wojciechowski					
	Teachers	dr hab. inż. Marek Wojciechowski dr inż. Szymon Mania mgr inż. Mateusz Cieślak dr inż. Paweł Filipkowski dr hab. inż. Robert Tylingo Natalia Maciejewska					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	45.0	0.0	0.0	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	3.0		27.0		75
Subject objectives	The purpose of this laboratory is to make the students familiar with basic information technologies. Students learn how to use the popular operating systems and their user interfaces as well as utility software. Students learn the rules of professional text processing with the aim of writing the scientific papers and learn how to prepare advanced spreadsheets useful for solving various engineering problems.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	K6_U11	student is able to use the basic methods and tools of statistics and IT.			[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment		
	K6_W11	student has basic knowledge about the applications of IT methods in biotechnology; in particular, knowledge of major tasks and applications of bioinformatics			[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	Computer software and hardware. Basic system tools. Operating systems, user interfaces and filesystems. Professional text processing. Basics of typography. Rules of textprocessing. Spreadshits. Presentation graphics.						
Prerequisites and co-requisites	No requirements						
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	Second practical test	60.0%			50.0%		
	First practical test	60.0%			50.0%		
Recommended reading	Basic literature	Educational materials made available by the teacher					

	Supplementary literature	- Janusz Bielec , Ewa Bielec: Podręcznik pisania prac albo technika pisania po polsku. Arkadiusz Wingert, W-wa, 2007. - Excel dla chemików i nie tylko, Waldemar Ufnalski, Kazimierz Mądry, WNT, W-wa 2000
	eResources addresses	
Example issues/ example questions/ tasks being completed	- design of a spreadsheet helpful in the development and presentation of the results of laboratory measurements - preparation of a sample manuscript in accordance with the requirements of the specified journal and the principles of of the text composition	
Work placement	Not applicable	