



Subject card

Subject name and code	Work Safety, PG_00037412						
Field of study	Biotechnology						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2022/2023		
Education level	first-cycle studies	Subject group			Humanistic-social subject group		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	6	ECTS credits			1.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Analytical Chemistry -> Faculty of Chemistry						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Żaneta Polkowska				
	Teachers		prof. dr hab. inż. Żaneta Polkowska				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	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	15		1.0		9.0	25
Subject objectives	Ability to comply with the principles of health and safety in the chemical laboratory and the chemical and related industries.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	K6_U12		The student is able to assess the risk and apply the principles of occupational health and safety to it in specific cases		[SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information		
	K6_W12		The student is able to apply the principles of occupational health and safety to specific hazards in the environment		[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge		
Subject contents	Lecture The range of responsibilities and eligibilities of employers, employees and people, who control employees in the area of occupational safety and hygiene. Verification of the conditions at work and certification. Preventive health protection. Hazardous factors for health in the working environment. Harmful and oppressive factors for health in the working environment. Occupations particularly dangerous. Training of the employees in the area of occupational safety and hygiene. Accidents at work and occupational diseases. Personal protective equipment, protective clothing, working clothing. Emergency first aid. National and international rules and regulations governing occupational safety and hygiene. Safety standards. Safety signs. Occupational safety and risk management. Ergonomics in the occupational safety and hygiene management.						
Prerequisites and co-requisites	No requirements						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Completion of the course		60.0%		100.0%		
Recommended reading	Basic literature		Basic literature: 1. Rączkowski B., "BHP w praktyce", oddk Gdańsk, 2008 2. Górska E., "Ergonomia", Oficyna Wydawnicza Politechniki Warszawskiej, 2007				
	Supplementary literature		Additional literature: 3. Skowroń J., Zapór L., Pośniak M., Szewczyńska M., Lisowski A., Czynniki chemiczne w środowisku pracy, Centralny Instytut Ochrony pracy, Państwowy Instytut Badawczy, 2006 4. Pawłowska Z., Rzepecki J., Zarządzanie bezpieczeństwem pracy i ryzykiem, Centralny Instytut Ochrony pracy, Państwowy Instytut Badawczy, 2008 5. Michalik J. S., Poważne awarie chemiczne, Centralny Instytut Ochrony pracy, Państwowy Instytut Badawczy, 2007 6. Michalik J. S., Zapobieganie poważnym awariom przemysłowym, Centralny Instytut Ochrony pracy, Państwowy Instytut Badawczy, 2005 7. Kubasiak S., BHP w przemyśle chemicznym nieorganicznym, Instytut Wydawniczy CRZZ, 1974 8. Norma PN ISO 18000:2004				

	eResources addresses	
Example issues/ example questions/ tasks being completed	Principles of occupational health and safety in the industry, e.g. food, cosmetics, drug production.	
Work placement	Not applicable	