

Subject card

Subject name and code	The basics of the REACH and CLP regulations, PG_00211738						
Field of study	Chemical Business						
Date of commencement of studies	February 2027		Academic year of realisation of subject		2026/2027		
Education level	Master'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	Faculty of Chemistry -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		Magdalena Kawińska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	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	Introduction to the legal framework governing chemicals management in the European Union: REGULATION No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency and REGULATION No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP).						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BCHMU2_W05] Knows and understands the main trends in the development of chemistry combined with economics as two interpenetrating scientific disciplines.	Student knows and understands the obligations under the REACH and CLP regulations imposed on manufacturers, importers, and downstream users of chemical substances and mixtures.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
	[BCHMU2_W06] Knows and understands tasks in the field of chemistry, environmental protection and economics that are the subject of human activity to the extent that allows independent work on a research, scientific and measuring position.	The student is able to independently assess the correctness of a substance's safety data sheet and the labeling of a chemical substance or mixture in accordance with the REACH and CLP regulations.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW5] implementation of a problem task
	[BCHMU2_W02] Knows and understands the axiological conditions regarding the use of modern measuring techniques and instruments as well as IT tools in chemistry, including economic aspects.	The student has knowledge regarding the procedure for notifying the PCN (Poison Centre Notification) database about chemical mixtures classified as hazardous and for generating UFI (Unique Formula Identifier) codes for them.	[SW1] oral statement/ conversation/discussion
	[BCHMU2_K07] Is willing to conduct business and develop the enterprise, taking into account the principles of its establishment and functioning.	The student is prepared to practically implement the requirements of the REACH and CLP regulations while working for a company operating in the chemical sector.	[SK1] oral statement/conversation/ discussion
	[BCHMU2_K05] Is willing to act independently for the environment in order to fulfil certain social obligations.	The student is aware of the importance of issues related to the correct classification and labeling of chemical mixtures classified as hazardous, as well as their significance for the safety of end-users.	[SK1] oral statement/conversation/ discussion
	[BCHMU2_W08] Knows and understands the basic principles of creating, functioning and developing various forms of entrepreneurship, with particular emphasis on the chemical industry.	The student knows of the fundamentals of the REACH and CLP regulations and has the basic ability to apply them to the risk assessment of chemical substances and mixtures.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
Subject contents	1. Basis of EU Regulations: Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency, and Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP). 2. Other EU regulations affecting the content of labels for chemical substances/mixtures. 3. Generating UFI codes. 4. Registration of mixtures for Poison Centre Notification. 5. Requirements for substance safety data sheets. 6. Method of communicating information on chemicals within the supply chain.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	class attendance	80.0%	20.0%
	test	51.0%	80.0%
Recommended reading	Basic literature	Content of EU regulations no: 1. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency 2. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP).	
	Supplementary literature	n/a	
	eResources addresses		

Example issues/ example questions/ tasks being completed	Harmonised classification of chemical substances Submission of information on mixtures and the method for generating a unique formula identifier UFI Requirements for the labelling of packaging for hazardous substances and mixtures
Work placement	Not applicable

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