



Projekt współfinansowany przez Unię Europejską w ramach



	KAPITAŁ LUDZKI NARODOWA STRATEGIA SPÓJNOŚCI	Europejską w rama Europejskiego Fundusz Społecznego	EUROPEJSKI * * * * * * * * * * * * * * * * * *	
Course title			ECTS code	
Environmental as	spects in chemical enterprise		13.3.0721	
Name of unit admi	nistrating study			
null				
Studies				
faculty	field of study	type wszystkie		٦
Wydział Chemii	Biznes chemiczny	form wszystkie		
		specialty wszystkie		_
	S	pecialization wszystkie		╝
Teaching staff				
prof. dr hab. Ewa	Siedlecka; dr inż. Beata Bajorowi	cz; mgr Anita Romanows	ska	
Forms of classes, the realization and number of hours			ECTS credits	
Forms of classes			1	
Auditorium classes			classes - 15 h	
The realization of activities			tutorial classes – 2 h	
classroom instruc	ction		student's own work – 8 h	
Number of hours				
Auditorium classe	es: 15 hours		Total: 25 h - 1 ECTS	
The academic cyc				
2023/2024 summ	ner semester			
Type of course		Language of instruc	ction	
obligatory		Polish		
Teaching methods			of assessment and basic criteria for eveluation or	
- Presentations prepared by students		examination require	ements	
work in groups		Fillal Evaluation		
Discussion		Graded credit		
2.00000.0.7		Assessment metho	nds	

obligatory	Polish
Teaching methods	Form and method of assessment and basic criteria for eveluation or examination requirements
- Presentations prepared by students	Final evaluation
work in groups Discussion	Graded credit
- discussion	Assessment methods
- group work	- assignment work – project or presentation
	- test with open questions
	performance of the final work - project or presentation
	The basic criteria for evaluation
	. The basic criteria for evaluation or exam requirements
	Presence in auditorium classes
	The final grade will be issued based on the presentation presented by the student, class

activity during group work and written exam

Method of verifying required learning outcomes

Required courses and introductory requirements

A. Formal requirements

none

B. Prerequisites

Aims of education

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The aim of education is to familiarize the student with selected environmental aspects applicable in Poland (duties, costs, voluntary commitments to the environment) in chemical enterprises with different production profiles.

Aspekty środowiskowe w przedsiębiorstwie chemicznym #13.3.0721

Sylabusy - Centrum Informatyczne UG



Course contents

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Classification and characteristics of the main types of chemical industry in Poland and in Europe

Duties towards the environment of chemical enterprises with different production profiles in the light of current legal acts. Environmental fees. Voluntary activities of enterprises for the environment: introduction of ISO, EMAS, responsibility and care program. Obligations related to the introduction of the REACH system.

Examples of ecological disasters related to failures in the chemical industry (case study)

Bibliography of literature

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Literature required to pass the course

Monographic works provided by assistants leading classes

Extracurricular readings

The learning outcomes (for the field of study and	Knowledge
specialization)	Knowledge
	Student knows the classifiction of chemical industry in Poland and Europe
	Knows and correctly interprets basic legal acts regarding environmental protection
	in an industrial plant.
	Student lists the duties and voluntary activities of chemical plants in relation to the
	environment
	Skills
	Skills
	Student uses the chemical terminology to the extent necessary to present the
	content of the subject
	Student searches for necessary information in files and legal documents
	Student evaluates the risks and obligations of the company in the event of a disaster
	Social competence
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Contact

ewa.siedlecka@ug.edu.pl