

Course title Aspekty środowiskowe w przedsiębiorstwie chemicznym/Environmental aspects in chemical enterprise		ECTS code 13.3.0721	
Name of unit administrating study Faculty of Chemistry			
Studies			
Field of study	Type	Form	
Chemical Business	Bachelor / Engineer	Full-time studies	
Teaching staff Prof. dr hab. Ewa Siedlecka			
Forms of classes, the realization and number of hours		ECTS credits 1	
A. Forms of classes, in accordance with the UG Rector's regulations auditorium classes		classes - 15 h tutorial classes – 2 h student's own work – 8 h	
B. The realization of activities in-class learning		Total: 25 h - 1 ECTS	
C. Number of hours 15 h auditorium classes			
The academic cycle 2019/20 summer semester			
Type of course obligatory		Language of instruction Polish	
Teaching methods Presentations prepared by students work in groups Discussion		Form and method of assessment and basic criteria for evaluation or examination requirements	
		A. Final evaluation, in accordance with the UG study regulations course completion (with a grade)	
		B. Assessment methods test with open questions performance of the final work - project or presentation	
		C. 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	
Required courses and introductory requirements None			
Aims of education 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.			
Course contents 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			
A. Literature required to pass the course Monographic works provided by assistants leading classes			
B. Extracurricular readings			

Knowledge

Student knows the classification 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

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

Student understands the need for continuous learning
Student shows responsibility for the timely implementation of tasks