

Course title Pracownia inżynierska I/Engineering workshop I		ECTS code 13.3.1039	
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. inż. Adriana Zaleska-Medynska			
Forms of classes, the realization and number of hours		ECTS credits 3	
A. Forms of classes, in accordance with the UG Rector's regulations laboratory class		classes - 30 h tutorial classes – 20 h student's own work – 25 h	
B. The realization of activities in-class learning		Total: 75 h - 5 ECTS	
C. Number of hours 30 h laboratory class			
The academic cycle 2021/22 summer semester			
Type of course obligatory		Language of instruction Polish	
Teaching methods Experiments performance		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 Preparation of semestral work – experiments performance and presentation of results	
		C. The basic criteria for evaluation or exam requirements According to the UG Study Regulatory; • Conditions to obtain a positive grade: min. 51% of possible points, including the preparation of diploma project • Negative grade could be improved based on the preparation and presentation of additional work.	
Required courses and introductory requirements Knowledge of the principles of chemistry and / or related scientific fields			
Aims of education <ul style="list-style-type: none"> To gain competences of correct performing of research in the field of selected specialization and / or topic of the diploma Acquainting with the basic aspects of the construction and operating principle of the used research equipments To gain knowledge in the field of the basic computational methods in the field of selected specialization and / or topic of the diploma Acquiring the ability of critical interpretation of the obtained results. Developing the skills of correct preparation of the diploma project. 			
Course contents The program contents are varied and adapted to the scope of the chosen specialization and/ or and / or topic of the diploma			

Bibliography of literature**A. Literature required to pass the course**

Books and scientific articles related to the selected specialty

B. Extracurricular readings**Knowledge**

Student identifies the level of his/ her knowledge and competences and understands the needs for further education; correctly identifies and resolves dilemmas related to the profession, shows creativity in independent acting, can work in a team performing different roles

Skills**Social competence**

Student takes action, taking into account the priorities for achieving the goals sets, has responsibility for the safety of own and other work as well as the working space, and respect the rules of conduct in emergency situations