


**KAPITAŁ LUDZKI**  
 NARODOWA STRATEGIA SPÓJNOŚCI

 Projekt współfinansowany przez  
 Unię Europejską w ramach  
 Europejskiego Funduszu  
 Społecznego

**UNIA EUROPEJSKA**  
 EUROPEJSKI  
 FUNDUSZ SPOŁECZNY


|   |                       |  |     |
|---|-----------------------|--|-----|
| <b>Course title</b>   |                       | <b>ECTS code</b>   |     |
| Engineering seminar - chemistry   |                       | 13.3.0747  |     |
| <b>Name of unit administrating study</b>  |                       |  |     |
| null  |                       |  |     |
| <b>Studies</b>  |                       |  |     |
| <b>faculty</b>  | <b>field of study</b> | <b>type</b>  | all |
| Faculty of Chemistry  | Chemical Business     | <b>form</b>  | all |
|   |                       | <b>specjalty</b>   | all |
|   |                       | <b>specialization</b>  | all |
| <b>Teaching staff</b>   |                       |  |     |
| <p>dr hab. Jolanta Kumirska, profesor uczelni; dr Jaromir Kira; prof. dr hab. inż. Adriana Zaleska-Medynska; dr hab. Beata Grobelna, profesor uczelni; dr hab. Łukasz Haliński; dr Ewa Mulkiewicz; dr Ewa Wieczerek; prof. dr hab. inż. Tadeusz Ossowski; prof. dr hab. Sylwia Rodziewicz-Motowidło; prof. dr hab. Franciszek Kasprzykowski; dr hab. Zbigniew Kaczyński, profesor uczelni; dr inż. Paweł Mazierski; prof. UG, dr hab. Agnieszka Chylewska; dr hab. Agnieszka Żylicz-Stachula, profesor uczelni; prof. UG, dr hab. Monika Paszkiewicz; prof. dr hab. Mariusz Makowski; prof. dr hab. Piotr Rekowski; dr hab. Anna Białk-Bielińska, profesor uczelni; dr hab. Elżbieta Jankowska, profesor uczelni; dr hab. Aneta Szymańska, profesor uczelni; dr hab. Aleksandra Dąbrowska, profesor uczelni; prof. dr hab. Krzysztof Rolka; prof. dr hab. Piotr Skowron; dr hab. Marek Gołębiowski, profesor uczelni; dr Katarzyna Guzow; prof. dr hab. inż. Lech Chmurzyński; dr Joanna Jeżewska-Frąckowiak; dr Dorota Zarzeczkańska; prof. dr hab. Piotr Stepnowski</p> |                       |  |     |
| <b>Forms of classes, the realization and number of hours</b>  |                       | <b>ECTS credits</b>  |     |
| <b>Forms of classes</b>   |                       | 3  |     |
| Seminar   |                       | classes - 30 h   |     |
| <b>The realization of activities</b>  |                       | tutorial classes – 15 h  |     |
| classroom instruction   |                       | student's own work – 30 h  |     |
| <b>Number of hours</b>  |                       | Total: 75 h - 3 ECTS   |     |
| Seminar: 30 hours   |                       |  |     |
| <b>The academic cycle</b>   |                       |  |     |
| 2025/2026 winter semester   |                       |  |     |
| <b>Type of course</b>   |                       | <b>Language of instruction</b>   |     |
| obligatory  |                       | polish   |     |
| <b>Teaching methods</b>   |                       | <b>Form and method of assessment and basic criteria for evaluation or examination requirements</b>   |     |
| discussion  |                       | <b>Final evaluation</b>  |     |
|   |                       | Graded credit  |     |
|   |                       | <b>Assessment methods</b>  |     |
|   |                       | assignment work – project or presentation  |     |
|   |                       | <b>The basic criteria for evaluation</b>   |     |
|   |                       | The basic criteria for evaluation or exam requirements   |     |
|   |                       | <ul style="list-style-type: none"> <li>• According to the UG Study Regulatory;</li> <li>• Conditions to obtain a positive grade: min. 51% of possible points, including the preparation of diploma project</li> <li>• Negative grade could be improved based on the preparation and presentation of additional work</li> </ul> |     |
| <b>Method of verifying required learning outcomes</b>   |                       |  |     |
| <b>Required courses and introductory requirements</b>   |                       |  |     |
| <b>A. Formal requirements</b>   |                       |  |     |
| Completed courses of obligatory subjects provided in program of Chemistry (University of Gdansk) in I to VI semesters   |                       |  |     |

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| <b>B. Prerequisites</b><br>Knowledge of the principles of organic chemistry, physical chemistry and biochemistry at the 1st level study, ability to use basic software packages (including text editors and multimedia presentation preparations), basic knowledge of English   |  |
| <b>Aims of education</b><br>Aims of education<br>Preparation of students for the diploma project and master thesis defense<br>Supporting and monitoring of diploma project conducting<br>Developing the ability to understand scientific texts in the field of chemistry at the basic level in Polish and English<br>Developing the skills of independent selection of scientific sources and searching for necessary information in them |  |
| <b>Course contents</b><br>Course contents<br>Rules for the proper preparation and editing of diploma thesis in the field of natural science<br>Literature databases in life science and ways to use them<br>Methods of searching for information in literature data<br>Analysis of scientific texts on the examples of publications in a foreign language<br>Rules for the preparation and presentation of public speeches                |  |
| <b>Bibliography of literature</b><br>Bibliography of literature<br>Literature required to pass the course<br>Monographic works provided by assistants leading classes<br>Extracurricular readings   |  |
| <b>The learning outcomes (for the field of study and specialization)</b>  | <b>Knowledge</b><br>Knowledge<br>Lists the most important literature database in the field of natural science<br>Describes the principles of preparation and delivering of oral presentations at popular science level<br>Describes the basic principles of preparation of scientific works in the field of natural science  |
|   | <b>Skills</b><br>Skills<br>Uses the databases independently and critically selects the source texts for a given or selected topics;<br>Reads with understanding, analyzes and evaluates simple scientific texts in Polish and English<br>Prepares a presentation on a specific problem in the field of studied scientific discipline and chosen specialization<br>Has the ability to prepare an oral presentation on a given subject in the Polish language<br>Discusses the subject presented during the presentation of his/her own or someone else's. |
|   | <b>Social competence</b><br>Social competence<br>Keeps criticism in expressing opinions and keeps open to the opinion of others contributors<br>Is active in enhancing of knowledge and understands the needs of long life learning  |
|   | <b>Contact</b><br>jolanta.kumirska@ug.edu.pl   |