



Subject card

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|---|--|--|----------------------------------|-------------------------------------|---|---|-----|
| Subject name and code | Diploma laboratory, PG_00064445 | | | | | | |
| Field of study | Biomedical Engineering, Biomedical Engineering, Biomedical Engineering | | | | | | |
| Date of commencement of studies | February 2025 | Academic year of realisation of subject | | | | 2025/2026 | |
| Education level | second-cycle studies | Subject group | | | | Optional subject group Specialty subject group Subject group related to scientific research in the field of study | |
| Mode of study | Full-time studies | Mode of delivery | | | | at the university | |
| Year of study | 2 | Language of instruction | | | | Polish | |
| Semester of study | 3 | ECTS credits | | | | 1.0 | |
| Learning profile | general academic profile | Assessment form | | | | assessment | |
| Conducting unit | Department of Chemistry and Technology of Functional Materials -> Faculty of Chemistry | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr hab. inż. Ewa Wagner-Wysiecka | | | | |
| | Teachers | | | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 0.0 | 0.0 | 15.0 | 0.0 | 0.0 | 15 |
| | 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 | 15 | | 2.0 | | 8.0 | 25 |
| Subject objectives | Implementation of the master's degree programme | | | | | | |
| Learning outcomes | Course outcome | Subject outcome | | | Method of verification | | |
| | [K7_U51] can conduct complex laboratory work connected with chemistry and biochemistry, specific to biomedical engineering | Student know the principles of measuring instrumentation and can use it correctly to carry out experimental work. The student is capable of working safely in a chemical laboratory according to accepted safety and hygiene principles. | | | [SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment | | |
| | [K7_U12] is able, to an increased extent, to analyze the operation of components and systems related to the field of study, as well as to measure their parameters and study their technical characteristics, and to plan and carry out experiments related to the field of study, including computer simulations, interpret the obtained results and draw conclusions | Students will be able to plan a suitable experiment, carry it out, process the results and interpret them | | | [SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment | | |
| | [K7_K02] is ready to provide critical evaluation of received content and to acknowledge the importance of knowledge in solving cognitive and practical problems | The student learns the essential importance of knowledge in solving scientific and practical problems; he/she is able to evaluate and verify the results obtained during experimental work and to relate them to literature data | | | [SK5] Assessment of ability to solve problems that arise in practice | | |
| | [K7_K71] is able to explain the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment | The student is aware of the importance of non-technical aspects and implications of engineering and scientific activities and the impact of scientific development on society | | | [SK5] Assessment of ability to solve problems that arise in practice | | |
| Subject contents | In accordance with the work plan described in the thesis topic, dependent on the thesis topic | | | | | | |

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| Prerequisites and co-requisites | Full degree cycle | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Evaluation of the tasks carried out | 100.0% | 100.0% |
| Recommended reading | Basic literature | Depending on the thesis topic; taking into account original fundamental and recent scientific articles related to the thesis topic. | |
| | Supplementary literature | Depending on the thesis topic; taking into account original fundamental and recent scientific articles related to the thesis topic. | |
| | eResources addresses | Adresy na platformie eNauczanie: | |
| Example issues/ example questions/ tasks being completed | Depending on the subject of the work | | |
| Work placement | Not applicable | | |

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