



Subject card

|   |   |  |   |            |            |  |     |
|---|---|--|---|------------|------------|--|-----|
| Subject name and code                       | DIPLOMA SEMINAR, PG_00064308  |  |   |            |            |  |     |
| Field of study                              | Chemical Technology   |  |   |            |            |  |     |
| Date of commencement of studies             | February 2026   | Academic year of realisation of subject                  |   |            |            | 2026/2027  |     |
| Education level                             | second-cycle studies  | Subject group  |   |            |            | Optional subject group   |     |
| 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   |   |            |            | 2.0  |     |
| Learning profile                            | general academic profile  | Assessment form  |   |            |            | assessment   |     |
| Conducting unit                             | Department of Analytical Chemistry -> Faculty of Chemistry -> Faculties of Gdańsk University of Technology  |  |   |            |            |  |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor  |  | prof. dr hab. inż. Piotr Konieczka  |            |            |  |     |
|   | Teachers  |  |   |            |            |  |     |
| Lesson types                                | Lesson type   | Lecture  | Tutorial  | Laboratory | Project    | Seminar  | SUM |
|   | Number of study hours   | 0.0  | 0.0   | 0.0        | 0.0        | 15.0   | 15  |
|   | E-learning hours included: 0.0  |  |   |            |            |  |     |
|   | eNauczenie source address: <a href="https://enauczenie.pg.edu.pl/2025/course/view.php?id=5213">https://enauczenie.pg.edu.pl/2025/course/view.php?id=5213</a>  |  |   |            |            |  |     |
| 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   | 10.0  |            | 25.0       |  | 50  |
| Subject objectives                          | The aim of the course is to prepare the student to develop master thesis  |  |   |            |            |  |     |
| Learning outcomes                           | Course outcome  |  | Subject outcome   |            |            | Method of verification   |     |
|   | [K7_K01] critically evaluates the content of cognitive and practical problems   |  | is prepared to critically evaluate cognitive and practical problems and various theoretical approaches to solving them, as well as to reliably assess the credibility of sources and results obtained, while maintaining the principles of scientific responsibility.   |            |            | [SK1] Assessment of group work skills<br>[SK5] Assessment of ability to solve problems that arise in practice            |     |
|   | [K7_K04] is aware of his/her responsibility for making decisions, respecting and developing principles of professional ethics and taking action to uphold these principles  |  | applies the principles of professional ethics in typical practical situations and analyzes the consequences of their decisions from the perspective of professional responsibility. They assess the compliance of their own and team activities with ethical standards.   |            |            | [SK3] Assessment of ability to organize work<br>[SK4] Assessment of communication skills, including language correctness |     |
|   | [K7_U01] designs experiments using computer methods of data analysis, computer simulations and based on the state of the knowledge in accordance with the latest scientific literature  |  | is able to apply modern methods of data analysis and computer simulation. They plan experimental procedures based on current scientific literature and interpret the results of analyses and simulations in the context of the research objective. Presents the results obtained using professional data visualization tools. |            |            | [SU1] Assessment of task fulfilment<br>[SU2] Assessment of ability to analyse information                                |     |
| Subject contents                            | Course content – seminar<br>The content of the subject is related to the topic of research conducted by the student. These include, for example, the planning of syntheses and their execution, preparation of samples for testing, the physical-chemical and / or mechanical characterization of the material obtained |  |   |            |            |  |     |
| Prerequisites and co-requisites             | Knowledge of theoretical and practical principles of modeling of technological processes and the use of appropriate instrumental techniques to solve tasks  |  |   |            |            |  |     |

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| Assessment methods and criteria                                | Subject passing criteria   | Passing threshold   | Percentage of the final grade |
|  | Seminar - an assessment based on the quality of the presentation prepared in PowerPoint (objective, results, conclusions)  | 60.0%   | 100.0%                        |
| Recommended reading  | Basic literature   | opracowania książkowe oraz publikacje związane z tematyką prowadzonych przez studenta badań |                               |
|  | Supplementary literature   | No requirements   |                               |
|  | eResources addresses   |   |                               |
| Example issues/<br>example questions/<br>tasks being completed | <ol style="list-style-type: none"> <li>1. Presentation of the theoretical basis of the work carried out and formulation of the objective of the work on this basis.</li> <li>2. Presentation of the results obtained.</li> <li>3. Interpretation of the results obtained and presentation of conclusions.</li> </ol> |   |                               |
| Practical activities within the subject                        | Not applicable   |   |                               |

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