# GDAŃSK UNIVERSITY OF TECHNOLOGY

## Subject card

| Subject name and code | Specialization seminar, PG_00049176 | | | | | |
|---|---|---|---|---|---|---|
| Field of study | Mathematics | | | | | |
| Date of commencement of studies | October 2024 | | Academic year of realisation of subject | | 2026/2027 | |
| Education level | first-cycle studies | | Subject group | | Optional subject group<br>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 | 3 | | Language of instruction | | Polish | |
| Semester of study | 6 | | ECTS credits | | 3.0 | |
| Learning profile | general academic profile | | Assessment form | | assessment | |
| Conducting unit | Instytut Matematyki Stosowanej -> Faculty of Applied Physics and Mathematics | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr hab. Piotr Bartłomiejczyk | | | | |
| | Teachers | | | | | |

| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|---|
| | Number of study hours | 0.0 | 0.0 | 0.0 | 0.0 | 30.0 | 30 |
| | E-learning hours included: 0.0 | | | | | | |
| | Adresy na platformie eNauczanie: | | | | | | |

| 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 | 30 | 5.0 | 40.0 | 75 |

| Subject objectives | The aim of the course is to prepare the student for the presentation of the project, as well as to acquaint students with the questions for the Bc examination and to learn more about these questions. |
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| Learning outcomes | Course outcome | Subject outcome | Method of verification |
|---|---|---|---|
| | K6_W04 | Got acquainted the knowledge of basic facts and theorems related to the subject of the thesis | [SW2] Assessment of knowledge contained in presentation |
| | K6_K01 | the student is able to prepare a short presentation covering his bachelor's thesis and answer any questions about the thesis. | [SK2] Assessment of progress of work |
| | K6_U12 | Is familiar with statistical reasoning and is able to it the studied matters. | [SU4] Assessment of ability to use methods and tools |
| | K6_K04 | The student can answer the questions on the list prepared for the diploma examination | [SK4] Assessment of communication skills, including language correctness |
| | K6_W05 | Is able to apply basic mathematical concepts concerning the topic of the thesis. | [SW2] Assessment of knowledge contained in presentation |

| Subject contents | 1. Exam questions, Mathematics I, General list<br><br>2. Exam questions, Mathematics I, Specialty list<br><br>3. Group specialty project |
|---|---|

| Prerequisites and co-requisites | The Knowledge needed to write a Bc project on own subject. Knowledge of the basic concepts of first-cycle studies, allowing to understand the presentation of other speakers |
|---|---|

| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|---|
| | Presentation | 50.0% | 100.0% |

| Recommended reading | Basic literature | any |
| --- | --- | --- |
| | Supplementary literature | any |
| | eResources addresses | |

| Example issues/ example questions/ tasks being completed | |
| --- | --- |
| | 1. Continuity and differentiability of functions<br><br>2. Green and Stokes theorems<br><br>3. Conical curves<br><br>4. Orthogonal transforms and matrices<br><br>5. Derivative of a complex function, Cauchy-Riemann equations |

| Work placement | Not applicable |
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