



## Subject card

|   |  |  |                          |  |   |            |     |
|---|--|--|--------------------------|--|---|------------|-----|
| Subject name and code                       | Specialization project, PG_00049174  |  |                          |  |   |            |     |
| Field of study                              | Mathematics  |  |                          |  |   |            |     |
| Date of commencement of studies             | October 2021   | Academic year of realisation of subject                  |                          |  | 2023/2024   |            |     |
| 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   |                          |  | 8.0   |            |     |
| 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. Zdzisław Dzedzej |  |   |            |     |
|   | Teachers   |  | dr hab. Zdzisław Dzedzej |  |   |            |     |
| Lesson types and methods of instruction     | Lesson type  | Lecture  | Tutorial                 | Laboratory   | Project   | Seminar    | SUM |
|   | Number of study hours  | 0.0  | 0.0                      | 0.0  | 60.0  | 0.0        | 60  |
|   | 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  | 60   |                          | 10.0   |   | 130.0      | 200 |
| Subject objectives                          | Group project with the help of teacher                                       |  |                          |  |   |            |     |
| Learning outcomes                           | Course outcome   | Subject outcome  |                          |  | Method of verification  |            |     |
|   | K6_W05   | Mathematical problem formulation and solving             |                          |  | [SW2] Assessment of knowledge contained in presentation<br>[SW3] Assessment of knowledge contained in written work and projects |            |     |
|   | K6_K01   | Using Internet and library sources                       |                          |  | [SK5] Assessment of ability to solve problems that arise in practice  |            |     |
|   | K6_W04   | Written presentation                                     |                          |  | [SW3] Assessment of knowledge contained in written work and projects  |            |     |
|   | K6_K02   | Joint work in the project team                           |                          |  | [SK3] Assessment of ability to organize work<br>[SK5] Assessment of ability to solve problems that arise in practice            |            |     |
| K6_K04                                      | Presentation during a students conference                                    |  |                          | [SK4] Assessment of communication skills, including language correctness |   |            |     |
| Subject contents                            | Subject is proposed by academic teACHER                                      |  |                          |  |   |            |     |
|   | Project presentation - presentation at a seminar.                            |  |                          |  |   |            |     |
| Prerequisites and co-requisites             | no   |  |                          |  |   |            |     |
| Assessment methods and criteria             | Subject passing criteria   |  | Passing threshold        |  | Percentage of the final grade   |            |     |
|   |  |  | 50.0%                    |  | 80.0%   |            |     |
|   |  |  | 50.0%                    |  | 20.0%   |            |     |
| Recommended reading                         | Basic literature   |  | depends on the project   |  |   |            |     |

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|  | Supplementary literature | depends on the project   |
|  | eResources addresses     | Adresy na platformie eNauzanie:<br>Projekt specjalnościowy 2024 matematyka - Moodle ID: 37277<br><a href="https://enauzanie.pg.edu.pl/moodle/course/view.php?id=37277">https://enauzanie.pg.edu.pl/moodle/course/view.php?id=37277</a> |
| Example issues/<br>example questions/<br>tasks being completed | zróżnicowane             |  |
| Work placement   | Not applicable           |  |