



## Subject card

|                                             |                                                                                                                                                                                                                                                      |                                                          |                                                                                                                                                                                  |                                     |                                                                                                                      |            |     |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------|-----|
| Subject name and code                       | Team research project I, PG_00069726                                                                                                                                                                                                                 |                                                          |                                                                                                                                                                                  |                                     |                                                                                                                      |            |     |
| Field of study                              | Zespołowy projekt badawczy I                                                                                                                                                                                                                         |                                                          |                                                                                                                                                                                  |                                     |                                                                                                                      |            |     |
| Date of commencement of studies             | October 2025                                                                                                                                                                                                                                         |                                                          | Academic year of realisation of subject                                                                                                                                          |                                     | 2025/2026                                                                                                            |            |     |
| Education level                             | second-cycle studies                                                                                                                                                                                                                                 |                                                          | Subject group                                                                                                                                                                    |                                     | Optional subject group                                                                                               |            |     |
| Mode of study                               | Part-time studies (on-line)                                                                                                                                                                                                                          |                                                          | Mode of delivery                                                                                                                                                                 |                                     | at the university                                                                                                    |            |     |
| Year of study                               | 1                                                                                                                                                                                                                                                    |                                                          | Language of instruction                                                                                                                                                          |                                     | Polish                                                                                                               |            |     |
| Semester of study                           | 1                                                                                                                                                                                                                                                    |                                                          | ECTS credits                                                                                                                                                                     |                                     | 3.0                                                                                                                  |            |     |
| Learning profile                            | general academic profile                                                                                                                                                                                                                             |                                                          | Assessment form                                                                                                                                                                  |                                     | assessment                                                                                                           |            |     |
| Conducting unit                             | Department of Management Engineering and Quality -> Faculty of Management and Economics -> Wydział Politechniki Gdańskiej                                                                                                                            |                                                          |                                                                                                                                                                                  |                                     |                                                                                                                      |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                   |                                                          | dr inż. Grzegorz Zieliński                                                                                                                                                       |                                     |                                                                                                                      |            |     |
|                                             | Teachers                                                                                                                                                                                                                                             |                                                          | dr inż. Grzegorz Zieliński                                                                                                                                                       |                                     |                                                                                                                      |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                          | Lecture                                                  | Tutorial                                                                                                                                                                         | Laboratory                          | Project                                                                                                              | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                | 0.0                                                      | 0.0                                                                                                                                                                              | 0.0                                 | 18.0                                                                                                                 | 0.0        | 18  |
|                                             | E-learning hours included: 0.0                                                                                                                                                                                                                       |                                                          |                                                                                                                                                                                  |                                     |                                                                                                                      |            |     |
|                                             | eNauczanie source addresses:<br>Moodle ID: 46128 Zespołowy Projekt Badawczy 2025/2026 - WA   WILiŚ   WZiE<br><a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=46128">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=46128</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                                                                                                                                                                                                                                | 18                                                       |                                                                                                                                                                                  | 3.0                                 |                                                                                                                      | 54.0       | 75  |
| Subject objectives                          | The aim of the subject is to learn about practical aspects of conducting research and application projects                                                                                                                                           |                                                          |                                                                                                                                                                                  |                                     |                                                                                                                      |            |     |
| Learning outcomes                           | Course outcome                                                                                                                                                                                                                                       |                                                          | Subject outcome                                                                                                                                                                  |                                     | Method of verification                                                                                               |            |     |
|                                             | [K7_U101] is able to formulate complex research problems and adopts appropriate methods, obtaining innovative solutions, cooperating with other people, both as a leader and a team member                                                           |                                                          | formulates assumed research problems and selects methods to obtain innovative solutions through cooperation with other people both as a leader and a member of the research team |                                     | [SU1] Ocena realizacji zadania<br>[SU5] Ocena umiejętności zaprezentowania wyników realizacji zadania                |            |     |
|                                             | [K7_W101] is able to make an in-depth identification of key objects and phenomena related to the field of study, as well as theories that describe them and applicable analytical and design methods                                                 |                                                          | identifies in-depth objects and phenomena as well as theories and analytical and practical methods in conducting team projects                                                   |                                     | [SW2] Ocena wiedzy zawartej w prezentacji<br>[SW3] Ocena wiedzy zawartej w opracowaniu tekstowym i projektowym       |            |     |
|                                             | [K7_K101] acknowledges the importance of knowledge related to the field of study in solving cognitive and practical problems, critically assessing the information obtained                                                                          |                                                          | recognizes the importance of knowledge related to the studied field in the implementation of a team research project                                                             |                                     | [SK1] Ocena umiejętności pracy w grupie<br>[SK5] Ocena umiejętności rozwiązywania problemów występujących w praktyce |            |     |
| Subject contents                            | Course content – project<br>Implementation of the project in accordance with the supervisor's requirements                                                                                                                                           |                                                          |                                                                                                                                                                                  |                                     |                                                                                                                      |            |     |
| Prerequisites and co-requisites             | According to the requirements of the project supervisor                                                                                                                                                                                              |                                                          |                                                                                                                                                                                  |                                     |                                                                                                                      |            |     |
| Assessment methods and criteria             | Subject passing criteria                                                                                                                                                                                                                             |                                                          | Passing threshold                                                                                                                                                                |                                     | Percentage of the final grade                                                                                        |            |     |
|                                             | Report                                                                                                                                                                                                                                               |                                                          | 60.0%                                                                                                                                                                            |                                     | 50.0%                                                                                                                |            |     |
|                                             | Lecture test                                                                                                                                                                                                                                         |                                                          | 50.0%                                                                                                                                                                            |                                     | 50.0%                                                                                                                |            |     |

|                                                                |                                             |                                                                                                     |
|----------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Recommended reading                                            | Basic literature                            | Recommended as part of the selected topic by the instructor in accordance with the project subject. |
|                                                                | Supplementary literature                    | Recommended as part of the selected topic by the instructor in accordance with the project subject. |
|                                                                | eResources addresses                        |                                                                                                     |
| Example issues/<br>example questions/<br>tasks being completed | Implementation of a selected research topic |                                                                                                     |
| Practical activities within<br>the subject                     | Not applicable                              |                                                                                                     |

Document generated electronically. Does not require a seal or signature.