GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

| | | | |
|---|---|---|---|
| Subject name and code | Team project I, PG_00061929 | | |
| Field of study | Projekt zespołowy I | | |
| Date of commencement of studies | October 2023 | Academic year of realisation of subject | 2025/2026 |
| 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 | 5 | ECTS credits | 2.0 |
| Learning profile | general academic profile | Assessment form | assessment |
| Conducting unit | Institute of Nanotechnology and Materials Engineering -> Faculty of Applied Physics and Mathematics -> Wydziały Politechniki Gdańskiej | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | prof. dr hab. inż. Maria Gazda | |
| | Teachers | prof. dr hab. inż. Maria Gazda<br>dr inż. Daniel Jaworski<br>dr hab. inż. Stefan Krakowiak | |

**Lesson types**

| Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|
| Number of study hours | 0.0 | 0.0 | 0.0 | 30.0 | 0.0 | 30 |

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 | 30 | 2.0 | 18.0 | 50 |

**Subject objectives**

The aim of the course is to prepare students to work in teams and develop the skills necessary to effectively manage engineering projects. Students learn to collaborate and gain practical experience in planning, organizing, monitoring, and controlling project progress.

**Learning outcomes**

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [K6_U10] Can work in a group in order to solve problems typical of materials engineering. | can work collaboratively in a group to solve simple problems in materials engineering using available technical possibilities | [SU1] Ocena realizacji zadania |
| [K6_U11] Is able to notice non-technical aspects when forming and solving project tasks, including environmental, economic and legal aspects. Applies the rules of occupational health and safety. | During project implementation, the team also observes and analyzes its environmental, economic, and legal aspects. Applies occupational health and safety principles | [SU1] Ocena realizacji zadania |
| [K6_K02] Can think and act creatively and entrepreneurially, is able to negotiate, work in a team, assuming different roles. | is able to think and act in a creative and entrepreneurial manner, has negotiation skills, and can work collaboratively in a project team, assuming various roles necessary for the implementation of the project | [SK2] Ocena postępów pracy |
| [K6_W07] Has detailed knowledge of selected problems of materials science. | has detailed knowledge related to issues related to the implemented project | [SW3] Ocena wiedzy zawartej w opracowaniu tekstowym i projektowym |

<table>
<tr><td>Subject contents</td><td>Students will divide into teams of 2-4 people. They will select a project to work on. Project topics will be proposed in advance by academic teachers. The student team may also, in consultation with the supervisor and/or another academic teacher, propose a topic for implementation.<br>Each team, under the supervision of their supervisor, will carry out the project:<br>Preliminary analysis: information gathering, risk assessment<br>Project planning:<br>Development of a schedule: project stages and deadlines.<br>Analysis of materials and resources required for project implementation.<br>Project implementation: team meetings, completion of project tasks according to schedule, analysis and verification of results.<br>Project completion: submission of results in the form of a report; project summary; conclusions; presentation of results to members of other teams.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>no</td></tr>
<tr><td>Assessment methods and criteria</td><td><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>participation in a team work and final report</td><td>55.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>literature depends on the content of the task and project</td></tr><tr><td>Supplementary literature</td><td>literature depends on the content of the task and project</td></tr><tr><td>eResources addresses</td><td>Basic<br>https://enauczanie.pg.edu.pl/2025/course/view.php?id=2049 - course: Team project</td></tr></table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>does not apply</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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