GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

| | | | |
|---|---|---|---|
| Subject name and code | Team project II, PG_00061933 | | |
| Field of study | Materials Engineering, Materials Engineering | | |
| 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 | 2.0 |
| Learning profile | general academic profile | Assessment form | assessment |
| Conducting unit | Institute of Nanotechnology and Materials Engineering -> Faculty of Applied Physics and Mathematics -> Faculties of Gdańsk University of Technology | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | prof. dr hab. inż. Maria Gazda | |
| | Teachers | | |

**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**

Teamwork in the implementation of a design task

**Learning outcomes**

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [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. | is able to perceive and analyze various aspects of a design issue, including those related to costs and environmental impact | [SU2] Assessment of ability to analyse information |
| [K6_K02] Can think and act creatively and entrepreneurially, is able to negotiate, work in a team, assuming different roles. | can work in a project team, can be a member and leader of a team | [SK1] Assessment of group work skills |
| [K6_U10] Can work in a group in order to solve problems typical of materials engineering. | is able to work in a group to solve a design problem | [SU1] Assessment of task fulfilment |

**Subject contents**

Course content – project

Students receive a list of several project topics to choose from.
Team selection - students divide themselves into teams of no more than four people.
Teamwork principles: selection of a team leader.
Selection and presentation of the project concept.
Division of tasks, partial analysis of project solutions, project implementation schedule, division of individual tasks, integrated integration of individual action elements.
Project development and implementation.
Report preparation.
Presentation of project results in the form of an oral presentation.

**Prerequisites and co-requisites**

no

<table>
<tr><td>Assessment methods and criteria</td><td colspan="2"><table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>team work assesment</td><td>51.0%</td><td>30.0%</td></tr>
<tr><td>project results assesment</td><td>51.0%</td><td>70.0%</td></tr>
</table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>The reading list depends on the subject of the design issues and may include scientific literature, textbooks, and standards.<br><br>e.g., Technologia szkła, Wacław Nowotny</td></tr>
<tr><td>Supplementary literature</td><td>The reading list depends on the subject of the design issues and may include scientific literature, textbooks, and standards.<br><br>e.g. Ceramics, Glass and Glass-CeramicsFrom Early Manufacturing Steps Towards Modern Frontier,<br><br>Francesco Baino, Massimo Tomalino, Dilshat Tulyaganov</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="2">Development and construction of a demonstration setup for energy conversion<br>Development of a technology for producing ceramics with oriented crystalline grains</td></tr>
<tr><td>Practical activites within the subject</td><td colspan="2">Not applicable</td></tr>
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