GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

| | | | |
|---|---|---|---|
| Subject name and code | Engineering project, PG_00050197 | | |
| Field of study | Geodesy and Cartography | | |
| Date of commencement of studies | October 2021 | Academic year of realisation of subject | 2024/2025 |
| Education level | first-cycle studies | Subject group | |
| Mode of study | Full-time studies | Mode of delivery | at the university |
| Year of study | 4 | Language of instruction | Polish |
| Semester of study | 7 | ECTS credits | 15.0 |
| Learning profile | general academic profile | Assessment form | assessment |
| Conducting unit | Faculty of Civil and Environmental Engineering | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr inż. Adam Inglot | |
| | 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 | 0.0 | 0 |

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 | 0 | 7.0 | 368.0 | 375 |

**Subject objectives**

Preparation of an engineering diploma thesis / engineering project by the student.

**Learning outcomes**

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [K6_K01] can think and act in a creative and enterprising way; is ready to define priorities for the implementation of an individual or group task; understands the need for continuous education and professional responsibility for his own and his teamt activities, and being ready to assess their own limitations, knows when to ask experts | The student is able to analyze source materials, formulate conclusions, define engineering problems, and organize own and team work. | [SK3] Assessment of ability to organize work<br>[SK4] Assessment of communication skills, including language correctness<br>[SK5] Assessment of ability to solve problems that arise in practice |
| [K6_W06] has a well-grounded knowledge and understands geodesy concepts including the main methods of obtaining data about space togather with the surveying and computional methods, which from the one hand are compatible with the current legal status and from the other hand refer to measurements on the plane and cover the use of modern geodetic instruments, with taking into account the curvature of the Earth and the impact of gravity on the maner of measurements and results | The student is able to use theoretical and practical knowledge to achieve the aim<br>put in the thesis<br>The student is able to obtain data and<br>process them in order to achieve the set aim. | [SW3] Assessment of knowledge contained in written work and projects |

<table>
<tr><td>Subject contents</td><td>Formulation of the problem. Solution of engineering tasks utilizing the actual general and technical knowledge. Use of modern engineering tools for solving engineering problems. Formulation of conclusions. Presentation of the results.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Knowledge and abilities achieved during the studies.</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>Thesis</td><td>60.0%</td><td>100.0%</td></tr>
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<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>Established individually for each student, which depends on the thesis.</td></tr>
<tr><td>Supplementary literature</td><td>Established individually for each student, which depends on the thesis.</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr>
</table>
</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>1. Defining the engineering problem.<br>2. Literature search and analysis.<br>3. Selection of the method of solving the problem.<br>4. Data acquisition.<br>5. Elaboration of the results.<br>6. Solving the problem and interpreting the results.<br>7. Formulating conclusions.</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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