GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

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|---|---|---|---|
| Subject name and code | THE REGISTRATION SYSTEMOF THENETWORK OF NETWORK OF UTLILTY LINES, PG_00044855 | | |
| Field of study | Geodesy and Cartography | | |
| Date of commencement of studies | October 2022 | Academic year of realisation of subject | 2024/2025 |
| Education level | first-cycle studies | Subject group | Optional subject group |
| 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 | 4.0 |
| Learning profile | general academic profile | Assessment form | assessment |
| Conducting unit | Department of Geodesy -> Faculty of Civil and Environmental Engineering | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | |
| | Teachers | | |

**Lesson types and methods of instruction**

| Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|
| Number of study hours | 30.0 | 0.0 | 15.0 | 0.0 | 0.0 | 45 |

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 | 45 | 6.0 | 49.0 | 100 |

**Subject objectives**

Student knows geodetic works during preparations, bridge 9tunnel) projects.

Student knows geodetic network during constructing bridge (tunnel).

Student knows geodetic works during load tests.

**Learning outcomes**

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [K6_U06] can solve geodetic tasks and select measurement methods for typical engineering tasks including the curvature of the Earth and the impact of gravity | can solve geodetic tasks and select measurement methods for typical engineering tasks | |
| [K6_W07] has a well-established knowledge and understands concepts in the field of engineering geodesy including the use of calculations and measurements methods carried out with the use of geodetic instruments and photogrammetric and remote sensing technologies related to geodetic support for investment, surveying and inventory measurements and photogrammetry with remote sensing | has well-established knowledge and understands the concepts of engineering surveying, including the use of calculation methods and measurements carried out with the use of geodetic instruments | |

<table>
<tr><td>Subject contents</td><td>Geodetic works during preparation, bridge (tunnel) project.<br><br>Geodetic network during costructing bridge (tunel).<br><br>3D geodetic network.<br><br>Geodetic works during load tests.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></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></td><td>60.0%</td><td>100.0%</td></tr>
</table>
</td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>Gacał J., Geodezja inżynieryjno-przemysłowa., AGH, 2009 r.<br><br>Żurowski A., Pomiary Geodezyjne w budowie dróg, lotnisk i mostów.,Wydawnictwo Komunikacji i łączności., 1975 r.<br><br>www.leica-geosystems.com</td></tr>
<tr><td>Supplementary literature</td><td>Janusz W., Obsługa geodezyjna budowli i konstrukcji., PWN, 1975 r.</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
</table>