GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

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|---|---|---|---|
| Subject name and code | Thesis Seminar , PG_00044417 | | |
| Field of study | Civil Engineering | | |
| Date of commencement of studies | October 2021 | Academic year of realisation of subject | 2024/2025 |
| Education level | first-cycle studies | Subject group | Optional subject group |
| Mode of study | Part-time studies | Mode of delivery | at the university |
| Year of study | 4 | Language of instruction | Polish |
| Semester of study | 8 | ECTS credits | 2.0 |
| Learning profile | general academic profile | Assessment form | assessment |
| Conducting unit | Department of Engineering Structures -> Faculty of Civil and Environmental Engineering | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr hab. inż. Jerzy Bobiński | |
| | Teachers | | |

**Lesson types and methods of instruction**

| Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|
| Number of study hours | 0.0 | 20.0 | 0.0 | 0.0 | 0.0 | 20 |

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 | 20 | 5.0 | 25.0 | 50 |

**Subject objectives**

The main purpouse of this course is to prepare the students to perform their bachelor thesis within the speciality of civil engineering and gaining ability to take part in technical/engineering discussions and basic academic discussions concerning technicial and scientific topics.

**Learning outcomes**

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [K6_K02] is responsible for reliability of obtained results of research and its interpretation, formulates conclusions and describes results of own work | Student uses technical language rooted in technical and scientific literature in his presentations and discussions. | [SK4] Assessment of communication skills, including language correctness<br>[SK5] Assessment of ability to solve problems that arise in practice<br>[SK1] Assessment of group work skills |
| [K6_U17] has specialized skills in civil engineering within offered specialization | Student is able to prepare a bachelor thesis with a specialty Civil Engineering.<br>Student can use literature databases to find necessary technical data. | [SU4] Assessment of ability to use methods and tools<br>[SU3] Assessment of ability to use knowledge gained from the subject |
| [K6_K04] understands the necessity of dissemination civil engineering knowlege in the society; shares information about civil engineering in a popular and understandable fashion | Student can define the technical problem or basic scientific problems, summarize it in oral presentation and take an active part in the discussion with other students and the lecturer. | [SK1] Assessment of group work skills<br>[SK4] Assessment of communication skills, including language correctness |
| [K6_W16] Has deeper and adequate knowlege of civil engineering, within offered specialization | Student is able to critically analyze data presented in popular science and scientific literature and technical drawings/specifications. | [SW1] Assessment of factual knowledge<br>[SW3] Assessment of knowledge contained in written work and projects |

<table>
<tr><td>Subject contents</td><td>The course is composed of the following modules:<br><br>1) Formal preparation of the bachelor thesis,<br><br>2) Innovative building and construction materials and thier applications,<br><br>3) Advanced engineering structures - challenges and solutions,<br><br>4) Using literature databases and verification of sources,<br><br>5) Workshop in smaller groups for assigned technical problem,<br><br>6) Presentation of workshop effects and undertaking technical discussion,<br><br>7) Individual presentation of own batchelor thesis topics,<br><br>8) Review of technical aspects required at the batchelor exam.</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>Individual thesis topic presentation</td><td>60.0%</td><td>40.0%</td></tr>
<tr><td>Technical discussion</td><td>60.0%</td><td>20.0%</td></tr>
<tr><td>Presentation of groupwork</td><td>60.0%</td><td>40.0%</td></tr>
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</td></tr>
<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>1) Neville, A, Brooks, J. Concrete Technology (2nd Edition), Pearson Education Canada; 2nd edition (March 25, 2010) 2) Royal, S. Advanced Structures: Materials and Technology, Willford Press, 2017 3) https://www.irena.org/publications/2020/Jan/IRENA-Power-system-structures</td></tr>
<tr><td>Supplementary literature</td><td>Lack of additional literature</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr>
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</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>Workshop in small groups, prezentations and sicussions, individual presentation of the thesis topic.</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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