

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

| Subject name and code | Basics of Civil Engineering, PG_00059072 | | | | | | | | |
|---|---|--|---|--|---------|--|---------|-----|--|
| Field of study | Environmental Engineering | | | | | | | | |
| Date of commencement of studies | October 2022 | | Academic year of realisation of subject | | | 2023/2024 | | | |
| 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 | 2 | | Language of instruction | | | Polish | | | |
| Semester of study | 4 | | ECTS credits | | | 4.0 | | | |
| Learning profile | general academic profile | | Assessment form | | | assessment | | | |
| Conducting unit | Department Of Engineering Structures -> Faculty Of Civil And Environmental Engineering -> Wydziały Politechniki Gdańskiej | | | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr hab. inż. Ewelina Korol | | | | | | |
| | Teachers | | | | | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | | Seminar | SUM | |
| | Number of study hours | 15.0 | 15.0 | 0.0 | 0.0 C | | 0.0 | 30 | |
| | E-learning hours included: 0.0 | | | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in classes includ plan | n didactic ed in study | Participation in consultation hours | | Self-study | | SUM | |
| | Number of study hours | 30 | | 3.0 | | 68.0 | | 101 | |
| Subject objectives | To familiarize the student with knowledge regarding the design and construction of general construction facilities, the principles of preparing technical drawings and conducting basic static and strength calculations using Eurocodes. | | | | | | | | |
| Learning outcomes | Course outcome Subject outcome Method of verification | | | | | | | | |
| | [K6_U01] has the ability to self- education, can obtain information from literature, databases and other sources, uses information technology, Internet resources; can integrate the obtained information, make their interpretation, as well as draw conclusions and formulate and justify opinions | | The student is able to independently expand his knowledge in the field of construction using various sources of information. Interprets regulations and draws conclusions. | | | [SU2] Assessment of ability to analyse information | | | |
| | [K6_U06] knows and applies the basic provisions of construction law, water law and environmental law | | The student knows the scope and key provisions arising from the Polish Construction Law and Technical Conditions that buildings and their location should meet. | | | [SU2] Assessment of ability to analyse information | | | |
| | [K6_W08] has elementary knowledge of construction: including building materials, their strength, construction mechanics and building physics, moisture migration in buildings, heat transfer through building partitions | | The student has basic knowledge of building materials, construction physics, construction mechanics and material strength. | | | [SW3] Assessment of knowledge contained in written work and projects | | | |
| Subject contents | Construction law and technical conditions that buildings and their location should meet. Architectural details, structural systems and building materials. Designing prefabricated beam ceilings and preparing technical drawings. | | | | | | | | |
| Prerequisites and co-requisites | brak | | | | | | | | |
| Assessment methods and criteria | Subject passing criteria | | Passing threshold | | | Percentage of the final grade | | | |
| | Test | | 60.0% | | | 50.0% | | | |
| | Project | | 60.0% | | | 50.0% | | | |
| | | | | | | | | | |

| Recommended reading | Basic literature | Żenczykowski W.: Budownictwo ogólne, t. 2/1 Pyrak S., Włodarczyk W.: Konstrukcje budowlane Rawska-Skotniczy A.: Obciążenia budynków i konstrukcji budowlanych wg Eurokodów. Buda-Ożóg L, Skrzypczak I., Szylak K., Raczyka A.: Konstrukcje murowe. Przykłady obliczeń wg Eurokodu 6 oraz metodami probabilistycznymi. Praca zbiorowa: Poradnik majstra budowlanego. Michalak H., Pyrak S.: Domy jednorodzinne konstruowanie i obliczenia. | | | | |
|--|--------------------------|--|--|--|--|--|
| | Supplementary literature | brak | | | | |
| | eResources addresses | Adresy na platformie eNauczanie: | | | | |
| Example issues/ example questions/ tasks being completed | | | | | | |
| Work placement | Not applicable | | | | | |

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