



## Subject card

|                                             |                                                                                                                                                                                                      |                                                          |                                                            |                                     |                                                                      |            |     |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------|------------|-----|
| Subject name and code                       | Financial aspects of an engineer's work, PG_00069778                                                                                                                                                 |                                                          |                                                            |                                     |                                                                      |            |     |
| Field of study                              | Transport                                                                                                                                                                                            |                                                          |                                                            |                                     |                                                                      |            |     |
| Date of commencement of studies             | February 2026                                                                                                                                                                                        |                                                          | Academic year of realisation of subject                    |                                     | 2026/2027                                                            |            |     |
| Education level                             | second-cycle studies                                                                                                                                                                                 |                                                          | Subject group                                              |                                     |                                                                      |            |     |
| Mode of study                               | Full-time studies                                                                                                                                                                                    |                                                          | Mode of delivery                                           |                                     | at the university                                                    |            |     |
| Year of study                               | 1                                                                                                                                                                                                    |                                                          | Language of instruction                                    |                                     | Polish                                                               |            |     |
| Semester of study                           | 2                                                                                                                                                                                                    |                                                          | ECTS credits                                               |                                     | 3.0                                                                  |            |     |
| Learning profile                            | general academic profile                                                                                                                                                                             |                                                          | Assessment form                                            |                                     | assessment                                                           |            |     |
| Conducting unit                             | Department of Building Engineering -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology                                                                 |                                                          |                                                            |                                     |                                                                      |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                   |                                                          | dr inż. Wojciech Migda                                     |                                     |                                                                      |            |     |
|                                             | Teachers                                                                                                                                                                                             |                                                          |                                                            |                                     |                                                                      |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                          | Lecture                                                  | Tutorial                                                   | Laboratory                          | Project                                                              | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                | 15.0                                                     | 15.0                                                       | 0.0                                 | 15.0                                                                 | 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                                                       |                                                            | 0.0                                 |                                                                      | 0.0        | 45  |
| Subject objectives                          | The aim of the course is to familiarize students with the financial aspects of an engineer's work.                                                                                                   |                                                          |                                                            |                                     |                                                                      |            |     |
| Learning outcomes                           | Course outcome                                                                                                                                                                                       |                                                          | Subject outcome                                            |                                     | Method of verification                                               |            |     |
|                                             | [K7_W101] is able to make an in-depth identification of key objects and phenomena related to the field of study, as well as theories that describe them and applicable analytical and design methods |                                                          | Knowledge of the basics of the tax system.                 |                                     | [SW1] Assessment of factual knowledge                                |            |     |
|                                             | [K7_U101] is able to formulate complex research problems and adopts appropriate methods, obtaining innovative solutions, cooperating with other people, both as a leader and a team member           |                                                          | Basics of estimating the value of an engineer's work.      |                                     | [SU3] Assessment of ability to use knowledge gained from the subject |            |     |
|                                             | [K7_K101] acknowledges the importance of knowledge related to the field of study in solving cognitive and practical problems, critically assessing the information obtained                          |                                                          | Ability to estimate the costs of implementing design work. |                                     | [SK5] Assessment of ability to solve problems that arise in practice |            |     |

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|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Subject contents                                               | Course content – lecture                                                                                                                                                                                                   |                                                                                                                                 |                               |
|                                                                | Basic tax issues.<br>Introduction to capital markets. Basic credit-related issues.<br>Remuneration in engineering professions.<br>Valuation of design work.                                                                |                                                                                                                                 |                               |
|                                                                | Course content – exercises                                                                                                                                                                                                 |                                                                                                                                 |                               |
|                                                                | Defining the assumptions for the exercises and the project.<br>Discussion of selected company profiles.<br>Assessing the effectiveness of business operations, using examples from selected companies.                     |                                                                                                                                 |                               |
|                                                                | Course content – project                                                                                                                                                                                                   |                                                                                                                                 |                               |
|                                                                | Development of qualitative and quantitative boundary conditions for the planned activity.<br>Creation of a business plan and verification of the adopted boundary conditions.<br>Presentation and defense of the projects. |                                                                                                                                 |                               |
| Prerequisites and co-requisites                                |                                                                                                                                                                                                                            |                                                                                                                                 |                               |
| Assessment methods and criteria                                | Subject passing criteria                                                                                                                                                                                                   | Passing threshold                                                                                                               | Percentage of the final grade |
|                                                                | Presentation                                                                                                                                                                                                               | 60.0%                                                                                                                           | 50.0%                         |
|                                                                | Test                                                                                                                                                                                                                       | 60.0%                                                                                                                           | 50.0%                         |
| Recommended reading                                            | Basic literature                                                                                                                                                                                                           | 1. Kłincewicz K.: Zarządzanie, organizacje i organizowanie, Wydawnictwo Naukowe Wydziału Zarządzania Uniwersytetu Warszawskiego |                               |
|                                                                | Supplementary literature                                                                                                                                                                                                   | 1. Fromm E.: To Have or to Be?, Escape from Freedom<br>2. Pratchett T.: Going postal, Making Money, Raising Steam               |                               |
|                                                                | eResources addresses                                                                                                                                                                                                       |                                                                                                                                 |                               |
| Example issues/<br>example questions/<br>tasks being completed |                                                                                                                                                                                                                            |                                                                                                                                 |                               |
| Practical activities within the subject                        | Not applicable                                                                                                                                                                                                             |                                                                                                                                 |                               |

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