



## Subject card

|                                             |                                                                                                                                                                                                                                                                                                     |                                                          |                                                                                                                                                                                                                                                                               |                                     |                                                                                                                            |            |     |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------|-----|
| Subject name and code                       | Diploma/Final Dissertation, PG_00058959                                                                                                                                                                                                                                                             |                                                          |                                                                                                                                                                                                                                                                               |                                     |                                                                                                                            |            |     |
| Field of study                              | Praca dyplomowa (inżynierska)                                                                                                                                                                                                                                                                       |                                                          |                                                                                                                                                                                                                                                                               |                                     |                                                                                                                            |            |     |
| Date of commencement of studies             | October 2022                                                                                                                                                                                                                                                                                        |                                                          | Academic year of realisation of subject                                                                                                                                                                                                                                       |                                     | 2025/2026                                                                                                                  |            |     |
| 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                                                                                                                                                                                                                                                                  |                                     | 20.0                                                                                                                       |            |     |
| Learning profile                            | general academic profile                                                                                                                                                                                                                                                                            |                                                          | Assessment form                                                                                                                                                                                                                                                               |                                     | assessment                                                                                                                 |            |     |
| Conducting unit                             | Department of Sanitary Engineering -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology                                                                                                                                                                |                                                          |                                                                                                                                                                                                                                                                               |                                     |                                                                                                                            |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                                                                  |                                                          | dr hab. inż. Ewa Zaborowska                                                                                                                                                                                                                                                   |                                     |                                                                                                                            |            |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                            |                                                          |                                                                                                                                                                                                                                                                               |                                     |                                                                                                                            |            |     |
| Lesson types                                | 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                                                        |                                                                                                                                                                                                                                                                               | 10.0                                |                                                                                                                            | 495.0      | 505 |
| Subject objectives                          | The aim of the course is to prepare an engineering thesis - a project, a review or a research problem, depending on the diploma profiles offered.                                                                                                                                                   |                                                          |                                                                                                                                                                                                                                                                               |                                     |                                                                                                                            |            |     |
| Learning outcomes                           | Course outcome                                                                                                                                                                                                                                                                                      |                                                          | Subject outcome                                                                                                                                                                                                                                                               |                                     | Method of verification                                                                                                     |            |     |
|                                             | [K6_U16] can, when formulating and solving engineering tasks in environmental engineering, evaluate, select and apply appropriate methods and tools, recognize their non-technical aspects, including environmental, economic and legal aspects                                                     |                                                          | Is able to evaluate, select and apply appropriate methods and tools when formulating and solving engineering tasks in environmental engineering, and to recognize their non-technical aspects, including environmental, economic and legal ones.                              |                                     | [SU4] Ocena umiejętności korzystania z metod i narzędzi                                                                    |            |     |
|                                             | [K6_U03] can prepare documentation regarding the implementation of an engineering task/project and prepare a text or presentation including a discussion of the results of the implementation                                                                                                       |                                                          | Is able to prepare documentation regarding the implementation of an engineering task/project and prepare a text containing a discussion of the implementation results                                                                                                         |                                     | [SU1] Ocena realizacji zadania<br>[SU5] Ocena umiejętności zaprezentowania wyników realizacji zadania                      |            |     |
|                                             | [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 |                                                          | Has the ability to self-educate, is able to obtain information from literature, databases and other sources, uses information technologies, internet resources; is able to integrate the obtained information, interpret it, draw conclusions, formulate and justify opinions |                                     | [SU2] Ocena umiejętności analizy informacji<br>[SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu |            |     |
|                                             | [K6_W17] has a structured and in-depth knowledge of environmental engineering as part of the diploma profiles offered                                                                                                                                                                               |                                                          | Has structured and in-depth knowledge of environmental engineering within the offered diploma profiles                                                                                                                                                                        |                                     | [SW3] Ocena wiedzy zawartej w opracowaniu tekstowym i projektowym                                                          |            |     |
| Subject contents                            |                                                                                                                                                                                                                                                                                                     |                                                          |                                                                                                                                                                                                                                                                               |                                     |                                                                                                                            |            |     |
| Prerequisites and co-requisites             | Knowledge and abilities achieved during the studies.                                                                                                                                                                                                                                                |                                                          |                                                                                                                                                                                                                                                                               |                                     |                                                                                                                            |            |     |
| Assessment methods and criteria             | Subject passing criteria                                                                                                                                                                                                                                                                            |                                                          | Passing threshold                                                                                                                                                                                                                                                             |                                     | Percentage of the final grade                                                                                              |            |     |
|                                             | thesis                                                                                                                                                                                                                                                                                              |                                                          | 60.0%                                                                                                                                                                                                                                                                         |                                     | 100.0%                                                                                                                     |            |     |

|                                                                |                                                                                 |                                                                                 |
|----------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Recommended reading                                            | Basic literature                                                                | Literature, scientific papers, www pages - relevant to the subject of a thesis. |
|                                                                | Supplementary literature                                                        | No requirements.                                                                |
|                                                                | eResources addresses                                                            |                                                                                 |
| Example issues/<br>example questions/<br>tasks being completed | Engineering diploma thesis of a design, analytical, or design-analytical nature |                                                                                 |
| Practical activities within<br>the subject                     | Not applicable                                                                  |                                                                                 |

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