



## Subject card

|   |  |  |  |                                     |   |            |     |
|---|--|--|--|-------------------------------------|---|------------|-----|
| Subject name and code                       | Building installation elements project I, PG_00061532  |  |  |                                     |   |            |     |
| Field of study                              | Architecture   |  |  |                                     |   |            |     |
| Date of commencement of studies             | October 2023   |  | Academic year of realisation of subject  |                                     | 2025/2026   |            |     |
| Education level                             | first-cycle studies  |  | Subject group  |                                     | Optional subject group<br>Subject group related to scientific research in the field of study                                    |            |     |
| Mode of study                               | Full-time studies  |  | Mode of delivery   |                                     | at the university   |            |     |
| Year of study                               | 3  |  | Language of instruction  |                                     | English   |            |     |
| Semester of study                           | 5  |  | ECTS credits   |                                     | 2.0   |            |     |
| Learning profile                            | general academic profile   |  | Assessment form  |                                     | assessment  |            |     |
| Conducting unit                             | Department Of Technical Fundamentals Of Architectural Design -> Faculty Of Architecture -> Wydział Politechniki Gdańskiej  |  |  |                                     |   |            |     |
| 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  | 0.0  | 0.0  | 0.0                                 | 30.0  | 0.0        | 30  |
|   | 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  | 30   |  | 4.0                                 |   | 16.0       | 50  |
| Subject objectives                          | <p>To familiarize oneself with the branch design issues in the field of building technical equipment and their influence on the architecture of the object.</p> <p>Acquiring skills of analyzing external conditions for the designed object and preparing it for installation of properly selected building installations with it.</p>  |  |  |                                     |   |            |     |
| Learning outcomes                           | Course outcome   |  | Subject outcome  |                                     | Method of verification  |            |     |
|   | [K6_U04] is able to use analytical methods to formulate and solve project tasks  |  | is able to use analytical methods to formulate and solve design tasks  |                                     | [SU4] Assessment of ability to use methods and tools  |            |     |
|   | [K6_W01] knows and understands construction problems, building and engineering issues related to building design; principles, solutions, constructions and building materials used in simple engineering tasks in the field of architectural and urban design  |  | A student learns about branch design issues in the field of building technical equipment and their impact on the architecture of the building. |                                     | [SW2] Assessment of knowledge contained in presentation<br>[SW3] Assessment of knowledge contained in written work and projects |            |     |
| Subject contents                            | <p>In the course of classes, students carry out assigned design tasks on architectural issues related to the preparation of the object for installation of various types of building systems with it.</p> <p>The general scope of design tasks performed in class:</p> <ul style="list-style-type: none"><li>- designed installations in the building - survey of installations present in the building</li><li>- analysis of the floor plan containing technical rooms</li><li>- analysis of the roof projection with indication of the location of installation elements</li><li>- detail of the installation shaft (water and sewage, DHW, water supply, central heating)</li><li>- problems of smoke removal from the building</li><li>- pro-ecological solutions in the designed building</li><li>- mechanical ventilation in the building.</li></ul> |  |  |                                     |   |            |     |
| Prerequisites and co-requisites             |  |  |  |                                     |   |            |     |

|  |  |   |                               |
|--|--|---|-------------------------------|
| Assessment methods and criteria                                | Subject passing criteria   | Passing threshold   | Percentage of the final grade |
|  | exercises task evaluation  | 100.0%  | 100.0%                        |
| Recommended reading  | Basic literature   | Ustawa Prawo Budowlane wraz z przepisami wykonawczymi (przepisy techniczne)<br><br>Rozporządzenie Ministra Infrastruktury z dnia 12 kwietnia 2002 r. w sprawie warunków technicznych, jakim powinny odpowiadać budynki i ich usytuowanie. (Dz. U. Nr 75, poz. 2351) |                               |
|  | Supplementary literature   | Borysiuk S., Sanitarno-higieniczne zasady projektowania zakładów gastronomicznych i obiektów handlowych (miejsc obrotu) z artykułami żywnościowymi, opracowanie. PZITS, Warszawa 1999.  |                               |
|  | eResources addresses   | Adresy na platformie eNauczanie:  |                               |
| Example issues/<br>example questions/<br>tasks being completed | Develop a survey of the systems present in the building.<br><br>Securing required technical rooms in the building.<br><br>Preparation of a drawing of a roof plan with an indication of the rain water drainage method.<br><br>Preparation of the drawing of the underground storey with indication of the technical rooms for connection to the municipal networks. |   |                               |
| Work placement   | Not applicable   |   |                               |

Document generated electronically. Does not require a seal or signature.