



## Subject card

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|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------|-----|
| Subject name and code                       | Architectural and Urban Theories in Revitalisation Process, PG_00071554                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                          |                                                                                                                          |                                     |                                                                                                                      |            |     |
| Field of study                              | Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                          |                                                                                                                          |                                     |                                                                                                                      |            |     |
| Date of commencement of studies             | October 2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                          | Academic year of realisation of subject                                                                                  |                                     | 2026/2027                                                                                                            |            |     |
| Education level                             | second-cycle studies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          | Subject group                                                                                                            |                                     | Obligatory subject group in the field of study<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                               | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                          | Language of instruction                                                                                                  |                                     | Polish                                                                                                               |            |     |
| Semester of study                           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                          | ECTS credits                                                                                                             |                                     | 2.0                                                                                                                  |            |     |
| Learning profile                            | general academic profile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                          | Assessment form                                                                                                          |                                     | exam                                                                                                                 |            |     |
| Conducting unit                             | Department of Housing and Architecture of Public Buildings -> Faculty of Architecture -> Faculties of Gdańsk University of Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                                                                                                          |                                     |                                                                                                                      |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          | dr inż. arch. Ksenia Piątkowska                                                                                          |                                     |                                                                                                                      |            |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                          | dr inż. arch. Ksenia Piątkowska<br><br>prof. dr hab. inż. arch. Piotr Lorens<br><br>prof. dr hab. inż. arch. Lucyna Nyka |                                     |                                                                                                                      |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Lecture                                                  | Tutorial                                                                                                                 | Laboratory                          | Project                                                                                                              | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 30.0                                                     | 0.0                                                                                                                      | 0.0                                 | 0.0                                                                                                                  | 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                                                       |                                                                                                                          | 2.0                                 |                                                                                                                      | 18.0       | 50  |
| Subject objectives                          | The aim is to discuss the architectural revitalization of objects, complexes of buildings in relation to contemporary architectural and conservation theories in Europe and worldwide. The report is based on examples of revitalization of buildings with different architecture, original function, scale, in different urban-socio-economic conditions. Each of the examples explains the reason for undertaking revitalization activities, their intended purpose, instruments that were used expecting to achieve the planned effects and the final result of the activities carried out. |                                                          |                                                                                                                          |                                     |                                                                                                                      |            |     |

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| Learning outcomes               | Course outcome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Subject outcome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Method of verification                                  |
|                                 | [K7_W04] knows and understands the relationships between man and architecture and between architecture and the surrounding environment, and the need to adapt architecture to human needs and scale; problems of physics, technology and functions of buildings to the extent that ensures comfort of use and protection against the atmospheric factors; methods and means of implementing environmentally responsible sustainable design as well as protection and conservation of the surrounding environment           | Knows and understands issues related to architectural design, urban planning, and spatial planning, such as technical infrastructure, communication, the natural environment, landscape architecture, economic, legal, and social conditions – essential for understanding the social, economic, ecological, natural, historical, cultural, legal, and other non-technical conditions of engineering activities and recognizes the need to take them into account in architectural, urban, rural, and spatial planning design; can define the architectural and urban planning tools used in a given approach to solving problems related to the revitalization of protected areas and structures located therein.                        | [SW2] Assessment of knowledge contained in presentation |
|                                 | [K7_W03] knows and understands the history and theory of architecture as well as art, technology and humanities to the extent necessary for the proper performance of architectural designs; advanced issues related to architecture and urban planning useful for designing architectural objects and urban complexes in the social, cultural, natural, historical, economic, legal context and other non-technical conditions of engineering activities, integrating knowledge acquired during studies                   | Knows and understands advanced architectural and urban planning theory useful for formulating and solving complex tasks in architectural, urban design, and spatial planning, as well as development trends and current directions in architectural and urban design; is familiar with various conservation theories regarding revitalization and is able to apply appropriate tools for the protection of historic buildings in the design process.                                                                                                                                                                                                                                                                                      | [SW1] Assessment of factual knowledge                   |
| Subject contents                | <p>Course content – lecture</p> <p>The subject focuses on explaining and solving the problem of architectural revitalization problematic urban areas, among others existing down-town complexes, areas and objects in post-industrial, post-military, post-port areas, etc. It presents a range of architectural, engineering and technological activities that, while maintaining historical substance or presenting other protected values, restore the object or complex of buildings in economic and social terms.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |
| Prerequisites and co-requisites |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |
| Assessment methods and criteria | Subject passing criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Passing threshold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Percentage of the final grade                           |
|                                 | written exam                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 60.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 100.0%                                                  |
| Recommended reading             | Basic literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <ul style="list-style-type: none"> <li>• Merlino, Kathryn Rogers: Building Reuse: Sustainability, Preservation, and the Value of Design, 2018</li> <li>• Insall, Donald: Living Buildings: Architectural Conservation, Philosophy, Principles and Practice, 2008</li> <li>• International Journal of Architectural Heritage</li> <li>• JOURNAL OF CULTURAL HERITAGE, Elsevier</li> <li>• International Journal of Heritage Studies</li> <li>• International Journal of Design</li> <li>• STUDIES IN CONSERVATION, Journal</li> <li>• Research in Engineering Design -Theory, Applications, and Concurrent Engineering, Journal</li> <li>• Rebecca N. Perry: Building for the Future: Revitalization through Architecture, 2015</li> </ul> |                                                         |
|                                 | Supplementary literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <ul style="list-style-type: none"> <li>• Revitalization Of Modernization Heritage, A&amp;U 521, 2014</li> <li>• Build Heritage, Conservation and Revitalisation, Journal</li> <li>• Orbasli, Aylin: Architectural Conservation: Principles and Practice, 2007</li> <li>• Mason, Randall;Page, Max: Giving Preservation a History: Histories of Historic Preservation in the United States, 2019</li> </ul>                                                                                                                                                                                                                                                                                                                                |                                                         |
|                                 | eResources addresses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |

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| <p>Example issues/<br/>example questions/<br/>tasks being completed</p> | <p>Compare the process of reintegration and restoration on the examples of historical architectural structures adapted to a new function?</p> <p>What is the creation of a dependency pyramid in the process of preparing a revitalization strategy for a given area under conservation protection?</p> <p>Can an architectural object be revitalized?</p> |
| <p>Practical activities within the subject</p>                          | <p>Not applicable</p>                                                                                                                                                                                                                                                                                                                                      |

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