



Subject card

Subject name and code	Elective project I, PG_00060330						
Field of study	Architecture						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2023/2024		
Education level	second-cycle studies	Subject group			Optional subject group 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			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Faculty of Architecture						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. arch. Anna Wanclaw					
	Teachers	prof. dr hab. inż. arch. Lucyna Nyka dr hab. inż. arch. Marek Wysocki dr inż. arch. Izabela Burda mgr Dominik Sędzicki dr inż. arch. Jan Cudzik					
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		5.0		40.0	75
Subject objectives	Expanding knowledge about contemporary theories and design methods. Improvement of the design workshop in the field of specialist issues from the chosen technology and training of the presentation skills of this problem on the example of the design issue.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[K7_K03] is ready to take responsibility for humanities, social, cultural, architectural and urban values in environmental protection and cultural heritage		is ready to take responsibility for humanistic, social, cultural, architectural and urban values in the protection of the environment and cultural heritage			[SK5] Assessment of ability to solve problems that arise in practice	
	[K7_U03] is able to prepare advanced graphic, written and oral presentation of own design concepts in the field of architecture and urban planning, meeting the requirements of a professional record appropriate for architectural and urban design		is able to prepare an advanced graphic, written and oral presentation of one's own design concepts in the field of architecture and urban planning, meeting the requirements of professional recording appropriate for architectural and urban design			[SU5] Assessment of ability to present the results of task	

Subject contents	<p>Topics carried out in individual class groups:</p> <p>1. New University of Technology Library The GUT campus will be gradually transformed, developed and beautified. In addition to the development of high-quality public spaces, one of the most important tasks is to merge its various fragments. It is planned that in the heart of the campus, near the intersection of ul. The Gdańsk University of Technology Library was built on Sobieskiego, Traugutt and Siedlicka streets. What functions should a modern university library include? Let's look for inspiring examples together. We will consider and model the structure of the library, and we will consider where such a library could be built. How can such a library be shaped to make it an interesting place for students?</p> <p>2. From concept to prototype The modern era of digital technologies has brought a revolution in many areas of life, including design and production. The optional project aims to introduce students to the fascinating world of digital fabrication, automation of design processes and the need to verify designs. As part of the project, students will have the opportunity to participate in a comprehensive project creation process, starting from the concept and going through all design stages, including the use of advanced design tools such as 3D modeling software, simulations and virtual analyses. Then we will focus on digital fabrication, using modern technologies such as 3D printing, CNC machining and robotics. During the project, students will work in groups to create a product prototype that will be the result of their project. This prototype will be fully functional and ready for verification and testing. This process will also include verification of the project in terms of its feasibility, durability and compliance with the design assumptions.</p> <p>3. International competition Arturbain.fr ECOLOGICAL TRANSFORMATION, NEW APPLICATIONS: Territories in their diversity allow us to find a solution. When selecting an area requiring transformation, solutions should be indicated to improve the quality of space and living conditions in the context of ecological transformation.</p> <p>4. Universal Design in practice Changes in Polish law indicate the need to implement the principles of universal design in the design of public space. The need to adapt space to the needs of people with disabilities or the elderly requires understanding the needs of users and recognizing the barriers encountered in the space of public buildings. As part of the classes, students will carry out basic and implementation research related to the needs of people with disabilities and develop guidelines for designing spaces for people with special needs. Research topics will be conducted in teams of two. The classes will present good practices and case studies. Special needs will be discussed and simulation activities will be organized.</p> <p>5. Sailing marinas on the Sailing Cultural Trail. Searching for functional and spatial solutions for modular sailing infrastructure buildings with a small marina implemented as part of the Sailing Cultural Trail.</p>											
Prerequisites and co-requisites												
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="456 1245 794 1272">Subject passing criteria</th> <th data-bbox="801 1245 1139 1272">Passing threshold</th> <th data-bbox="1145 1245 1482 1272">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 1281 794 1303">project</td> <td data-bbox="801 1281 1139 1303">100.0%</td> <td data-bbox="1145 1281 1482 1303">100.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	project	100.0%	100.0%			
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Recommended reading	<table border="1"> <tbody> <tr> <td data-bbox="456 1321 794 1348">Basic literature</td> <td colspan="2" data-bbox="801 1321 1482 1348">Determined individually for each group</td> </tr> <tr> <td data-bbox="456 1357 794 1384">Supplementary literature</td> <td colspan="2" data-bbox="801 1357 1482 1384">Determined individually for each group</td> </tr> <tr> <td data-bbox="456 1393 794 1415">eResources addresses</td> <td colspan="2" data-bbox="801 1393 1482 1415">Adresy na platformie eNauczanie:</td> </tr> </tbody> </table>			Basic literature	Determined individually for each group		Supplementary literature	Determined individually for each group		eResources addresses	Adresy na platformie eNauczanie:	
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Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> • Design and implementation of the mural on the PG campus. • Design of a tea pavilion or student club for young people • Design of the facade or covering • New Bojano. Resident-friendly space design. 											
Work placement	Not applicable											