

COURSE OFFERED IN THE DOCTORAL SCHOOL

Code of the course	4606-ES-000000A-0094	Name of the course	Polish	Dziedzictwo architektoniczne. Historia, ochrona, konserwacja		
			English	Architectural heritage. History, protection, conservation		
Type of the course	specialized					
Course coordinator	dr hab. arch. Grzegorz Rytel					
Implementing unit	FA WUT	Scientific discipline / disciplines*	Architecture and Town Planning, Civil Engineering, Transport			
Level of education	Doctoral	Semester	summer			
Language of the course	English					
Type of assessment:	pass, exam	Number of hours in a semester	30 +30	ECTS credits	4	
Minimum number of participants	12	Maximum number of participants	24	Available for students (BSc, MSc)	Yes/No	
Type of classes		Lecture	Auditory classes	Project classes	Laboratory	Seminar
Number of hours	in a week	4				
	in a semester	60				

* does not apply to the Researcher's Workshop

1. Prerequisites

Knowledge of the historical heritage issues, particularly useful in scientific researches. Knowledge of computer technics taken in the big scale architectural heritage objects (searching for specialistic information in archives, offices; conducting interdisciplinary cooperation and using digital stores ...).

2. Course objectives

Introduction into issues of designing in cultural environment, knowledge and skills of PhD students in wide understood management of planning and design as well as revitalization and restoration of the historical cities.

3. Course content (separate for each type of classes)

Lecture

General description of the subject:

The subject covering selected issues in the field of architecture and urban planning and related fields, implementing knowledge, skills and competences related to the specificity of the issue, in the field of the basic programme of architectural and urban heritage management in selected aspects.

It contains general knowledge on the theory of protection and management of architectural and urban planning heritage. It contains general knowledge of development trends and current directions and conditions of architectural and urban design in a historically defined cultural and natural environment.

Educational contents

Selected issues in the field of architecture and urban planning and related fields, in the scope of: formal and legal conditions, economic and social protection and development of historical structures (including historic cities), concerning in particular: international documents, Polish and EU law, functioning of public administration, social participation and instruments for monitoring and managing information. Outline of multi-aspect and interdisciplinary issues of heritage protection of historical cities, landscape and cultural environment - issues of revitalisation and revalorisation in spatial planning.

Topics of 8 lectures:

Lecture 1

Contemporary notion of heritage - UNESCO World Heritage System 4h

<p>Lecture 2 Urban heritage - characteristics of the resource, specificity of protection (spatially diverse complexes - with historical tissue and contemporary functions). 4h</p> <p>Lecture 3 Research and analysis in conservation of heritage - as a basis for design. Architectural heritage – ballast or opportunity? 4h</p> <p>Lecture 4 Architectural heritage - characteristics, condition diagnosis, protection specification 4h</p> <p>Lecture 5 Conservation procedures - acceptable (conservation, restoration, supplementation) and unacceptable (reconstructions, "new monuments") forms. Modern additions to historical structures 4h</p> <p>Lecture 6 Traditional building technics in restoration processes. 4h</p> <p>Lecture 7 Architectural heritage. Application of management knowledge for planning and design. 4h</p> <p>Lecture 8 Computer techniques in the protection of architectural monuments / heritage sites 2h Checking test 1,5h</p>
Laboratory

4. Learning outcomes			
	Learning outcomes description	Reference to the learning outcomes of the WUT DS	Learning outcomes verification methods*
Knowledge			
K01	Is able to understand contemporary trends of civilization transformations, in architectural and urban discipline, particularly in protection and development of the architectural heritage.	SD_W2	
K02	Is able consciously situate architectural and urban researches on the background of contemporary research methods and tools in conservation.	SD_W3	Assessment by the conducting team
K03	Is able to use the knowledge concerning of mythological basis of digital methods used by architects and urbanists.	SD_W4	Assessment by the conducting team
Skills			
S01	Is able to describe relation of the discipline to issues of the society of knowledge.	SD_U1	Assessment by the conducting team

S02	Is able to transfer the knowledge concerning the architectural heritage .	SD_U3	Assessment by the conducting team
S03	Is able to achieve critical assessment and evaluation of the conservation environment, led researches of heritage with taking under consideration influence of contemporary cultural and civilisation changes.	SD_U2	Assessment by the conducting team
Social competences			
SC01	Has a critical approach to selection sources of scientific and professional information.	SD_K1	Assessment by the conducting team
SC02	Understands the need of continues learning in the dynamic changes of the discipline, conditioned by strong cultural and civilisation changes	SD_K2	Assessment by the conducting team

*Allowed learning outcomes verification methods: exam; oral exam; written test; oral test; project evaluation; report evaluation; presentation evaluation; active participation during classes; homework; tests

5. Assessment criteria

Assessment of the activity during lectures; mark: pass – no passed.
Final test: mark 2-5.

6. Literature

Basic literature:

- [1] Szmygin Bogusław, *Światowe Dziedzictwo Kultury UNESCO - charakterystyka, metodologia, zarządzanie*, PKN ICOMOS - Politechnika Lubelska, Warszawa 2016
- [2] Szmygin B., *Heritage Protection - achievements, problems, prospects*, "Heritage for Future" 1/2016, Warszawa - Florence 2016, ss. 181-189
- [3] Kłosek-Kozłowska Danuta, *Ochrona wartości kulturowych miast a urbanistyka*, Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa 2007 (2 wyd. 2017), monografia.
- [4]
- [5] Solarek K., *Urban Design in Town Planning. Current Issues and Dilemmas from the European and Polish Perspective*, Politechnika Warszawska, Oficyna Wydawnicza, Warszawa 2019.
- [6] Głuszek Cezary, *Restoration of the historic fortification of the turn of the 19th and 20th centuries in Poland. The Architecture of Contemporary Additions*, Publishing House of the Warsaw University of Technology, Warsaw 2013; (Post-doctoral monography), s.1-169.
- [7] Głuszek C., *The problem of contemporary, extraconservatory conditions of protection and management of historic ruins*, [in:] Protection and maintenance of castle ruins - selected problems and examples, PKN ICOMOS - Lublin University of Technology - Foundation for the Development of Lublin University of Technology, Warsaw-Lublin 2013, s.75-88.
- [8] Koszewski Krzysztof, *"Obrazy architektury. Przekaz idei architektonicznej w kontekście współczesnej kultury wizualnej"*, Warszawa 2019.

Supplementary literature:

- [1] Brykowska Maria, *Metody pomiarów i badań zabytków architektury*, Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa 2003.

[2] Głuszek C., *Fortifications in the lands of the Kingdom of Poland on the eve of the First World War*, [in:] *History of Art*, Volume XL, Polish Academy of Sciences Committee on Art, Warsaw 2015, s.177-187.

[3] Kłosek-Kozłowska Danuta, *Jezuickie przestrzenie baroku. Przekształcenia strukturalne miast polskich na przełomie XVI i XVII wieku*, Warszawa 2021.

[4] Ziobrowski Z., Jarczewski W. (eds), , *Rewitalizacja miast polskich – diagnoza*, Seria Rewitalizacji Miast Polskich, Instytut Rozwoju Miast, Kraków 2010.

7. PhD student's workload necessary to achieve the learning outcomes**		
No.	Description	Number of hours
1	Hours of scheduled instruction given by the academic teacher in the classroom	60
2	Hours of consultations with the academic teacher, exams, tests, etc.	10
3	Amount of time devoted to the preparation for classes, preparation of presentations, reports, projects, homework	30
4	Amount of time devoted to the preparation for exams, test, assessments	15
Total number of hours		110
ECTS credits		4

** 1 ECTS = 25-30 hours of the PhD students work (2 ECTS = 60 hours; 4 ECTS = 110 hours, etc.)