



RAr
(3)
Politechnika Śląska
Wydział Architektury
DZIEKANAT
44-100 (faculty stamp) Akademicka 7
Tel. 237 12 10, 237 27 28, 237 24 91

COURSE DESCRIPTION

1. Course title: CONSERVATION DESIGN MODULES A, B		2. Course code: RAr-A-SSII-I - CD		
3. Validity of course description: 2018/2019				
4. Level of studies: MSc programme				
5. Mode of studies: Full-time studies				
6. Field of study: Architecture				
7. Profile of studies: general academic profile				
8. Programme:				
9. Semester: 1				
10. Faculty teaching the course: Faculty of Architecture, Department of Theory, Designing and History of Architecture				
11. Course instructor: PhD., DSc., Associate Professor, Magdalena Żmudzińska-Nowak				
12. Course classification: Major				
13. Course status: Compulsory				
14. Language of instruction: English				
15. Pre-requisite qualifications: Basic knowledge in the field of building and sites conservation, theory and history of architecture and urbanism (BSc courses), Basic skills in architectural and urban design (BSc courses)				
16. Course objectives: Knowledge: monument conservation, cultural heritage, adaptation and modernization of historical structures (state of art in the field) : Practice: approaches, methods, techniques and tools in conservation process. Architectural and urban design in historical context.				
17. Description of learning outcomes:				
Nr	Learning outcomes description	Method of assessment	Teaching methods	Learning outcomes reference code
1	Student knows the selected environmental issues (cultural context) important for architectural and urban design	seminar, design review Examination	Lecture project, seminar	K2A-W05 K2A-W08
2	Student knows selected methods of city structure analysis	seminar, design review Examination	Lecture project	K2A-W12



3	Student knows the principles of architectural and urban design considering social and cultural conditions.	seminar, design review Examination	Lecture project, seminar	K2A-W04 K2A-W05
4	Student knows the principles of protection and conservation of buildings, heritage sites and cultural landscape.	Lecture project, seminar	Lecture project, seminar	K2A-W05
5	Student can design a modern architectural structures regarding and respecting historical context	final submission and presentation of the project	project	K2A-U15 K2A-U16
18. Teaching modes and hours Lecture - 15 / Seminar - 5/ Project - 75				



19. Syllabus description:

Lectures:

General scope of lectures:

- Introduction: key terms, definitions, sources and literature.
- History of monument conservation and restoration
- Contemporary ideas, approaches and works in building conservation
- Contemporary international legislation and standards in cultural heritage protection (Athens Charter of Monuments Conservation, Venice Charter, UNESCO List, ICOMOS charters, etc.)
- Buildings and Sites Protection and Conservation in Poland - basic notions, legal protection.
- Scientific Research in Conservation : methods, techniques and tools.
- Principles and strategies for conservation works
- Approaches to Conservation Design : - (conservation, restoration, adaptation, modernization, revitalization)- examples analysis.
- Process and programme of conservation works:
 - Data collection: survey, historical research, architectural research,
 - „In situ” examination: invasive and noninvasive architectural examination of building structure (advanced tools),
 - stratigraphy elaboration, etc.
 - urban survey and context analysis
- Conclusions and values assessment (valorization)
- Conservation guideline elaboration
- Architectural project for conservation: (scope and realization)
- Typology as a method of research and design
- „Heritage” - meaning and responsibility
- Heritage and value of place.
- General principles of designing in cultural and historical context
- Designing in cultural context: examples analysis.

Seminar:

Presentation of research subject, sightseeing, brainstorming in groups, discussion and working hypothesis

Project:

Architectural modern design in historical site: respecting for the context and historical values.

Process data collection and elaboration:

- Works in site: („In situ”) - observations, visual analysis, data collection: photos, sketches, records, mappings, etc.
- Archive and historical documentation

Analysis: historical (site development), urban (functional zones, spatial connection system, urban morphology and composition, etc.) architectural (typology and structure of buildings, historical values, architectural composition, etc.)

Final conclusions and values assessment

Guidelines for the project elaboration: urban and architectural guideline, guideline for protection site

Architectural project elaboration: study and ideas, graphic presentation of conservation, functional and structural issues, site plan, floor plans, sections, facades, etc., details, (in proper scales, 3D visualizations, aerial views from characteristic expositions, perspectives

Form and scope of the final submission:

- **A-3 Booklet:** All materials (images and architectural survey), texts: Analysis, Conclusions, Guidelines, Project description, References.
- **Two graphic boards 100X70 cm** : graphic presentation for analysis (summary), schemes, diagram, etc. for idea
- Site plan, floor plans, cross sections, elevations of the building, details, visualization, etc.
- **CD** - (all recorded separately) images - 300 dpi., tiff



20. Examination: YES

21. Primary sources:

G. Cullen „The Concise Townscape”, Architectural Press, 1961

B. Szmygin ed. „Heritage Value Assessment System”, ICOMOS Poland, 2015

B. Szmygin ed., „International Standards in Cultural Heritage Protection”, ICOMOS, 2015

M. Brykowska, 2003, „Metody pomiarów i badań zabytków architektury”, Oficyna Wydawnicza Politechniki Warszawskiej.

A. Kadłuczka, 1999, „Konserwacja zabytków i architektoniczne projektowanie konserwatorskie” Podręcznik dla studentów wyższych szkół technicznych, Wyd. PK, Kraków.

A. Kadłuczka, 2000, „Ochrona zabytków architektury, zarys doktryn i teorii” Wyd. SKZ, Kraków

E. Małachowicz, 1994, „Konserwacja i rewitalizacja Architektury w zespołach i krajobrazie”, Wyd. PWR.

INTERNATIONAL CHARTER FOR THE CONSERVATION AND RESTORATION OF MONUMENTS AND SITES (THE VENICE CHARTER 1964)

Ustawa z dnia 23 lipca 2003 r.

„O ochronie zabytków i opiece nad zabytkami”

Rozporządzenie Ministra Kultury z dnia 9 czerwca 2004 r.

„W sprawie prowadzenia prac konserwatorskich, restauratorskich, robót budowlanych, badań konserwatorskich i architektonicznych, a także innych działań przy zabytku wpisanym do rejestru zabytków oraz badań archeologicznych i poszukiwań ukrytych lub porzuconych zabytków ruchomych”

22. Secondary sources:

„The Building Conservation Directory, BCD, Cathedral Communications”, 2015.

B. Szmygin ed. „How to Assess Built Heritage”, ICOMOS, Florence, 2015

B. Rymaszewski, 2005, „Polska ochrona zabytków”, Wydawnictwo Naukowe „Scholar”.

A. Tomaszewski, 2012, „Ku nowej filozofii dziedzictwa”, Międzynarodowe Centrum Kultury, Kraków.

23. Total workload required to achieve learning outcomes

Lp.	Teaching mode :	Contact hours / Student workload hours
1	Lecture - 15/15	
2	Classes	
3	Laboratory	
4	Project - 75/85	
5	BA/ MA Seminar - 5/15	
6	Other	
Total number of hours		95/115


24. Total hours: **210**


25. Number of ECTS credits: **7**

26. Number of ECTS credits allocated for contact hours: **3**

27. Number of ECTS credits allocated for in-practice hours (laboratory classes, projects): **3**

26. Comments:

20.09.2018 
(date, Instructor's signature)

KIEROWNIK KATEDRY
Approved: 
Teorii, Projektowania i Historii Architektury
..... prof. dr. hab. inż. arch. Jan Rabczyński
(date, the Director of the Faculty Unit signature)