Politechnika Krakowska im. Tadeusza Kościuszki

Karta przedmiotu

obowiązuje studentów rozpoczynających studia w roku akademickim 2018/2019

Wydział Architektury

Kierunek studiów: Architektura

Profil: Ogólnoakademicki

Forma sudiów: niestacjonarne

Kod kierunku: AiU

Stopień studiów: II

Specjalności: Master Degree in Architecture in English

1 Informacje o przedmiocie

Nazwa przedmiotu	II-C-9 Design for Conservation
Nazwa przedmiotu w języku angielskim	II-C-9 Design for Conservation
Kod przedmiotu	WA AU oIIN C9 18/19
Kategoria przedmiotu	przedmioty kierunkowe
Liczba punktów ECTS	7.00
Semestry	1

2 Rodzaj zajęć, liczba godzin w planie studiów

Semestr	Wykłady	Ćwiczenia	Seminaria	Laboratoria	Projekty	Praktyki
1	0	0	0	0	105	0

3 Cele przedmiotu

Cel 1 Student knows and understands the methods and ways of monuments'conservation applied in Poland and abroad.

Cel 2 Student is conscious of value of historical buildings and its surrounding and can make valorization of the particular selected historical building.

Cel 3 Student knows how to form conservation guidelines for historical building

Cel 4 Student knows how to choose the best method of monuments' conservation for selected historical building

Cel 5 Student know how to make adaptation of selected historical building to the new function, considering its monumental values protection

4 Wymagania wstępne w zakresie wiedzy, umiejętności i innych kompetencji

1 Demonstrate knowledge of the monuments' conservation methods and system and basic tools of valorization according to the Polish and EU law.

2 Becomes familiar with issues of modernization and adaptation of monumental buildings

3 Focusing on the problem of contemporary architecture in historical surrounding

4 Demonstrate knowledge of modern construction, materials and noninvasive methods used in the monumental site

5 Demonstrate knowledge of architectural and urban design rules

5 Efekty kształcenia

EK1 Kompetencje społeczne Ability of interdisciplinary cooperation.

EK2 Kompetencje społeczne Ability of monumental values interpretative presentation to the society.

EK3 Umiejętności Ability to preparing analyses of monumental values and conservation guidelines for historical building.

EK4 Umiejętności Ability to prepare adaptation and conservation of the monumental building.

EK5 Wiedza Knowledge about restrictions for historical buildings' adaptation.

EK6 Wiedza Knowledge of the modern techniques and materials used for monuments preservation.

6 Treści programowe

Projekty		
Lp	Tematyka zajęć Opis szczegółowy bloków tematycznych	Liczba godzin
P1	Analysis of the historic values of the historical buildings and its context. SWAT presentations	15
P2	Functional program, proposed for the selected historical building. Proposal of spacial development of existent monumental structures. Limitations resulting from the protection of historic values	14
P3	Overview and summary of the problems associated with projects. The architectural concept of the selected historical building at a scale of 1:100 with elements of site arrangements	30
P4	Structural specifications, allowing the implementation of the assumed programs with the principles of monuments conservation.	20
P5	Modern implementation to the monumental structures- inspirations, presentations of chosen solutions	25

Projekty		
Lp	Tematyka zajęć Opis szczegółowy bloków tematycznych	Liczba godzin
P6	Final presentation of the project of adaptation and conservation of the selected historical building	1

7 Narzędzia dydaktyczne

N1 Classes

N2 Disscusion

N3 Consultations

N4 Team workshop

N5 Multimedia presentation

N6 Reviews

8 Obciążenie pracą studenta

Forma aktywności	Średnia liczba godzin na zrealizowanie aktywności
Godziny kontaktowe z nauczycielem akademickim, w tym:	
Godziny wynikające z planu studiów	105
Konsultacje przedmiotowe	10
Egzaminy i zaliczenia w sesji	1
reviews	0
Godziny bez udziału nauczyciela akademickiego wynikające z nakładu pracy studenta, w tym:	
Przygotowanie się do zajęć, w tym studiowanie zalecanej literatury	29
Opracowanie wyników	15
Przygotowanie raportu, projektu, prezentacji, dyskusji	50
Sumaryczna liczba godzin dla przedmiotu wynikająca z całego nakładu pracy studenta	**210**
Sumaryczna liczba punktów ECTS dla przedmiotu	7.00

9 Sposoby oceny

Ocena formująca

F1 two reviews

F2 Oral presentation of the final project

F3 Final project

F4 active participation in the classes

Ocena podsumowująca

P1 Weight average of forming grades

Warunki zaliczenia przedmiotu

W1 Positive final review

W2 Positive grade for exam

Kryteria oceny

Efekt kształcenia 1	
Na ocenę 3.0	Student understands the positives of interdisciplinary cooperation but do not know how to arrange the researches. Students can interpret the results of interdisciplinary studies, but do not properly use all the results in his design.
Na ocenę 4.0	Student understands and use in practice results of researches given by specialists from different disciplines. He can interpret them and can build its own project including postulates from other disciplines that deal with the protection of monuments.
Na ocenę 5.0	Student is able to present a design verbally, demonstrating the influence of research from various disciplines on the formation of ones own project concept. He can defend ones arguments and participate in a professional interdisciplinary discussion.
Efekt kształcenia 2	
Na ocenę 3.0	Student understands the role of value protection in conservation designing. He can use these values in adaptation of the historical building to the new function. Student is conscious of role of value of historical buildings as a part of sustainable development of the region
Na ocenę 4.0	Student is conscious of values of historical buildings and need for their protection, and know how to present them to the society. Student knows how to explain people the role of monuments conservation in culture heritage protection. He has acquired more than 70% of required knowledge.
Na ocenę 5.0	Student is conscious of role of interpretative presentation of values in active monument conservation process. He presents his personal initiatives and intentness in finding effective methods of active monuments' conservation. He got additional social competences

Efekt kształcenia 3	
Na ocenę 3.0	Student knows how to make analyses and researches of the historical building and the conservation guidelines for them, but he acquired only more than 60% of required knowledge.
Na ocenę 4.0	Student knows very well how to make analyses and researches about the historical building and can create after that the conservation guidelines for its protection. He acquired more than 70% of required knowledge.
Na ocenę 5.0	Student knows different methods of analyses and researches about the historical building. He can summing them up in the SWAT form. He can also create the conservation guidelines for future interventions. He acquired more than 90% of required knowledge.
Efekt kształcenia 4	
Na ocenę 3.0	Student knows how to obtain basic rules for adaptation of monumental buildings. He can formulate main limits of changes of monumental substance
Na ocenę 4.0	Student is conscious of limitations in adaptation of monumental buildings and know how to find the function which allow to minimise intervention in the monumental substance. He has acquired more than 70% of required knowledge. He is attending to all classes
Na ocenę 5.0	Student has full knowledge how to adapt the historical building without interfering too much in its monumental structure. With his proposals of adaptation monumental building he can better expose monumental values of the building. He has acquired more than 90% of required knowledge.
Efekt kształcenia 5	
Na ocenę 3.0	Student do know and understand basic restrictions for adaptation of historical building. He could find the new function which can be organized in historical building without interfering the monumental values
Na ocenę 4.0	He is conscious of certain limits due to make adaptations of historical building to the new function. All the limitations which are needed to be implement to the project he can explain and find the alternative solutions which are attractive to the local inhabitants and tourists.
Na ocenę 5.0	He not only reached the level of knowledge and skills required for the grade 5,0 but also can appropriately choose adequate new function to the selected historical building which preserve interpreted values of the building. He know how to organize open access to the historical building in the aspect of better understanding monumental values.
Efekt kształcenia 6	
Na ocenę 3.0	Student knows and understands basic techniques and materials used in monument conservation process, but still has difficulty to find the proper selection of it and use them in practice.

Na ocenę 4.0	Student can appropriately choose adequate techniques and materials for conservation of selected historical building. He can harmonize the new materials and constructions to the old structures. He knows how to chose reversible techniques due to stop further destruction of the monumental substance.
Na ocenę 5.0	Student knows the newest techniques and buildings materials used in monuments preservation and conservation. He can analyze and make proper decision keeping the monument in good structure condition. He can also adjust and make changes of typical solutions, to protect monumental values in historical objects.

10 Macierz realizacji przedmiotu

Efekt kształcenia	Odniesienie danego efektu do szczegółowych efektów zdefiniowanych dla programu	Cele przedmiotu	Treści programowe	Narzędzia dydaktyczne	Sposoby oceny
EK1	GC-1 Gc-3 GC-7 GC-10	Cel 1 Cel 2 Cel 3 Cel 4 Cel 5	P1 P2 P3 P4 P5 P6	N1 N2 N3 N4 N5 N6	F1 F2 F3 F4 P1
EK2	GC-1 GC-8 GC-9	Cel 2 Cel 3 Cel 4 Cel 5	P1 P2 P3 P4 P5 P6	N1 N2 N3 N4 N5 N6	F1 F2 F3 F4 P1
EK3	GC-1 GC-8 GC-9	Cel 1 Cel 2 Cel 3 Cel 4 Cel 5	P1 P2 P3 P4 P5 P6	N1 N2 N3 N4 N5 N6	F1 F2 F3 F4 P1
EK4	GC-3 GC-10 GC-11	Cel 1 Cel 2 Cel 3 Cel 4 Cel 5	P1 P2 P3 P4 P5 P6	N1 N2 N3 N4 N5 N6	F1 F2 F3 F4 P1
EK5	GC-1 Gc-3 GC-7 GC-10	Cel 1 Cel 2 Cel 3 Cel 4 Cel 5	P1 P2 P3 P4 P5 P6	N1 N2 N3 N4 N5 N6	F1 F2 F3 F4 P1
EK6	GC-1 Gc-3 GC-7 GC-10	Cel 1 Cel 4 Cel 5	P1 P2 P3 P4 P5 P6	N1 N2 N3 N4 N5 N6	F1 F2 F3 F4 P1

11 Wykaz literatury

Literatura podstawowa

[1] Jukka Jokiletho — *A History of Architectural Conservation*, London, 1990, Butterworth-Heinemann

[2] Chris van Uffelen — *Re-Use Architecture*, Berlin, 2011, Braun

[3] B. Weller, K. Harth, S. Tasche, S. Unnewehr — *Glass in Building Principles, Applications, Examples*, Munich, 2009, Birkhauser

[4] A. Reichel, P. Ackermann, A. Hentschel, A. Hochberg — *Building with Steel*, Munich, 2010, Birkhauser

[5] Frank Jaeger — *Old & New, Design Manual for Revitalizing Existing Buildings*, Basel, 2010, Birkhauser

Literatura uzupełniająca

[1] MONSA — *Arquitettura Actual. Rehabilitation*, BARCELONA, 2007, Instituto Monsa de Ediciones

[2] ARQUITECTURA VIVA nr 131 — *Patrimonio nacional. Tres experiencias y doce intervenciones*, Madryt, 2010, Arquitectura Viva Sl

[3] DETAIL nr 6/2001, 10/2002, 10/2003, 11/2007, 11/2009, 5/2011 — *Refurbishment*, Munich, 2011, Detail

Literatura dodatkowa

[1] Jukka Jokhiletho — *Management Guidelines for World Cultural Heritage Sites*, Rome, 1993, ICCROM.

12 Informacje o nauczycielach akademickich

Osoba odpowiedzialna za kartę

dr hab. inż. arch., prof. PK Jolanta Sroczyńska (kontakt: jolanta.sroczynska@gmail.com)

Osoby prowadzące przedmiot

1 dr hab. inż. arch. Jolanta Sroczyńska (kontakt: jsroczyn@pk.edu.pl)

2 dr inż. arch. Zbigniew Wikłacz (kontakt: wiklacz@gmail.com)

13 Zatwierdzenie karty przedmiotu do realizacji

(miejscowość, data) (odpowiedzialny za przedmiot) (dziekan)

Przyjmuję do realizacji (data i podpisy osób prowadzących przedmiot)

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