

POLITECHNIKA KRAKOWSKA IM. TADEUSZA KOŚCIUSZKI

KARTA PRZEDMIOTU

obowiązuje studentów rozpoczynających studia w roku akademickim 2015/2016

Wydział Architektury

Kierunek studiów: Architektura

Profil: Ogólnoakademicki

Forma studiów: stacjonarne

Kod kierunku: AiU

Stopień studiów: II

Specjalności: Master Degree in Architecture in English

1 INFORMACJE O PRZEDMIOCIE

NAZWA PRZEDMIOTU	Architecture and Urban Design (Multifamily Housing) II-C-7 AF
NAZWA PRZEDMIOTU W JĘZYKU ANGIELSKIM	Architecture and urban design (multifamily housing)
KOD PRZEDMIOTU	WA AU oIIS C7 15/16
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 Gain knowledge of functional, spatial and programmatic needs referring to multifamily residential buildings which satisfy contemporary societies diverse demands (area standards of flats, buildings and functions accompanying residential objects; typology of buildings and open spaces; questions of spatial order, cultural continuity and identification with a place of residence; issues of transportation and problems related to sustainable design).

- Cel 2** Teach the methods of urban analysis understood as the basis for diagnosing a design problem and an appropriate solution to it.
- Cel 3** Teach the students to put forward a concept consciously, develop and present it legibly at various stages by means of sketches, schemes, drawings, physical models and computer renderings as well as an essay.
- Cel 4** To perfect the ability to discuss, defend ones arguments and reason for designing decisions objectively at every stage of developing a given concept.
- Cel 5** Gain knowledge within the scope of trade and interdisciplinary cooperation, the ability to recognize social problems and needs as well as various strategies of social participation.
- Cel 6** To develop the ability to work in a team at the stage of designing a concept.

4 WYMAGANIA WSTĘPNE W ZAKRESIE WIEDZY, UMIEJĘTNOŚCI I INNYCH KOMPETENCJI

- 1 Advanced knowledge within the scope of the theory of urban and architectural design resulting from the completion of 1st degree studies.
- 2 Advanced design skills resulting from the completion of 1st degree studies.
- 3 Advanced knowledge and skills within the scope of the building trade and construction resulting from the completion of 1st degree studies.
- 4 Advanced techniques of presentation resulting from the completion of 1st degree studies.

5 EFEKTY KSZTAŁCENIA

- EK1 Wiedza** Advanced theoretical knowledge within the scope of the formation of residential complexes, sustainable design and new social needs resulting from civilization changes.
- EK2 Umiejętności** The ability to prepare an urban and architectural design with a high degree of complexity concerning the formation of a housing environment in cities.
- EK3 Umiejętności** An advanced technique and presentation of a design with a high degree of complexity through various media.
- EK4 Kompetencje społeczne** The advanced ability to present a design verbally, defend ones arguments and participate in a professional discussion.
- EK5 Umiejętności** Skills within the scope of trade and interdisciplinary cooperation as well as interaction with a local community.
- EK6 Kompetencje społeczne** The ability to negotiate and develop a creative compromise.

6 TREŚCI PROGRAMOWE

PROJEKTY		
LP	TEMATYKA ZAJĘĆ OPIS SZCZEGÓŁOWY BLOKÓW TEMATYCZNYCH	LICZBA GODZIN

PROJEKTY		
LP	TEMATYKA ZAJĘĆ OPIS SZCZEGÓŁOWY BLOKÓW TEMATYCZNYCH	LICZBA GODZIN
P1	Module 1 Urban analysis. Assignment: to carry out an analysis of a selected location in the city identifying its strong points, giving privileges and chances, as well as weak points bringing along possible threats. Work in teams consisting of two people. The scope of a survey: schemes presenting programmatic and transport connections with a city with its surroundings, the scale and character of a given place, the kind of desirable social activities. To formulate programmatic and designing guidelines for a medium-sized residential complex facilitating a variant solution.	10
P2	Module 2 Second urban concept. Assignment: to build an urban concept based upon the designing guidelines formulated at the stage of urban analysis in accordance with a chosen version. Individual work. The scope of a survey: plan of a complex in the scale of 1:2,000 (1:1,000) + model and schemes of composition, transportation, gradation of spaces from public to private, greenery arrangement. Description of a design including a problem essay which concerns contemporary tendencies in the formation of residential buildings and a description of an urban concept.	35
P3	Module 3 Architectural concept. Assignment: to present the architectural concept of a multifamily residential building with its surroundings characteristic of the adopted urban concept. Individual work. The scope of a survey: projections of every storey, sections, elevations scale 1:200; selected fragment of a complex scale 1:500; renderings. Description of a design explaining the conceptual intentions in an architectural scale plus the basic technical and material solutions.	45
P4	Module 4 Preparation of a result concept. Assignment: to optimize versions 1 and 2 as well as build a cohesive result concept. Work in teams consisting of two people. The scope of a survey: plan of a complex scale 1:2,000 (1:1,000) + model.	15

7 NARZĘDZIA DYDAKTYCZNE

N1 Design classes

N2 Group work

N3 Multimedia presentations

N4 Discussion

N5 Tutorial

N6 Urban analysis - fieldwork

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	0
Egzaminy i zaliczenia w sesji	0
Godziny bez udziału nauczyciela akademickiego wynikające z nakładu pracy studenta, w tym:	
Przygotowanie się do zajęć, w tym studiowanie zalecanej literatury	95
Opracowanie wyników	0
Przygotowanie raportu, projektu, prezentacji, dyskusji	40
SUMARYCZNA LICZBA GODZIN DLA PRZEDMIOTU WYNIKAJĄCA Z CAŁEGO NAKŁADU PRACY STUDENTA	240
SUMARYCZNA LICZBA PUNKTÓW ECTS DLA PRZEDMIOTU	7.00

9 SPOSOBY OCENY

OCENA FORMUJĄCA

F1 Individual design

OCENA PODSUMOWUJĄCA

P1 Weighted mean of forming assessments

KRYTERIA OCENY

EFEKT KSZTAŁCENIA 1	
NA OCENĘ 2.0	Insufficient theoretical knowledge within the scope of Learning Outcome 1.
NA OCENĘ 3.0	Knowledge at an acceptable level satisfying the minimum criteria.
NA OCENĘ 3.5	Knowledge at a satisfactory level with certain shortcomings.
NA OCENĘ 4.0	Good knowledge within the scope of Learning Outcome 1 with a certain number of noticeable mistakes.
NA OCENĘ 4.5	Knowledge much above the average with scarce mistakes.
NA OCENĘ 5.0	Very good orientation and knowledge within the scope of Learning Outcome 1.

EFEKT KSZTAŁCENIA 2	
NA OCENĘ 2.0	Lack of acceptable abilities to prepare an urban and architectural design described in Learning Outcome 2.
NA OCENĘ 3.0	Work at an acceptable level satisfying the minimum criteria.
NA OCENĘ 3.5	Work at a satisfactory level with shortcomings.
NA OCENĘ 4.0	Work at a good level with a certain number of noticeable mistakes.
NA OCENĘ 4.5	Standard much above the average with few mistakes.
NA OCENĘ 5.0	Very high abilities to prepare an urban and architectural design described in Learning Outcome 2.
EFEKT KSZTAŁCENIA 3	
NA OCENĘ 2.0	Lack of acceptable skills in technique and presentation described in Learning Outcome 2.
NA OCENĘ 3.0	Work at an acceptable level satisfying the minimum criteria.
NA OCENĘ 3.5	Work at a satisfactory level with shortcomings.
NA OCENĘ 4.0	Work at a good level with a certain number of noticeable mistakes.
NA OCENĘ 4.5	Standard much above the average with few mistakes.
NA OCENĘ 5.0	Very high skills in technique and presentation described in Learning Outcome 2.
EFEKT KSZTAŁCENIA 4	
NA OCENĘ 2.0	Lack of the ability to present a design verbally and participate in a discussion it should not be punished with the failing grade a student is advised to take extra classes within this scope.
NA OCENĘ 3.0	Skills at an acceptable level.
NA OCENĘ 3.5	Skills at a satisfactory level.
NA OCENĘ 4.0	Skills at a good level.
NA OCENĘ 4.5	Skills much above the average.
NA OCENĘ 5.0	Very high abilities to present a design verbally, defend ones arguments and participate in a professional discussion.
EFEKT KSZTAŁCENIA 5	
NA OCENĘ 2.0	Lack of acceptable skills described in Learning Outcome 5.
NA OCENĘ 3.0	Skills at an acceptable level.
NA OCENĘ 3.5	Skills at a satisfactory level.

NA OCENĘ 4.0	Skills at a good level.
NA OCENĘ 4.5	Skills much above the average.
NA OCENĘ 5.0	Very high skills in trade and interdisciplinary cooperation within the scope described in Learning Outcome 5.
EFEKT KSZTAŁCENIA 6	
NA OCENĘ 2.0	Difficulties in effective team work within the scope described in Learning Outcome 6. A student is advised to take extra classes within this scope.
NA OCENĘ 3.0	Skills at an acceptable level.
NA OCENĘ 3.5	Skills at a satisfactory level.
NA OCENĘ 4.0	Skills at a good level.
NA OCENĘ 4.5	Skills much above the average.
NA OCENĘ 5.0	Very high skills and predispositions towards team work described in Learning Outcome 6.

10 MACIERZ REALIZACJI PRZEDMIOTU

EFEKT KSZTAŁCENIA	ODNIESIENIE DANEGO EFEKTU DO SZCZEGÓŁOWYCH EFEKTÓW ZDEFINIOWANYCH DLA PROGRAMU	CELE PRZEDMIOTU	TREŚCI PROGRAMOWE	NARZĘDZIA DYDAKTYCZNE	SPOSOBY OCENY
EK1	group of curricular contents B III.3.1, B III.3.2	Cel 1	P2 P3 P4	N1 N2 N3 N4 N5 N6	F1 P1
EK2	group of curricular contents B III.3.1, B III.3.2	Cel 2	P1 P2 P3 P4	N1 N2 N3 N4 N5	F1 P1
EK3	group of curricular contents B III.3.1, B III.3.2	Cel 3	P1 P2 P3 P4	N1 N2 N3 N4 N5	F1 P1

EFEKT KSZTAŁCENIA	ODNIESIENIE DANEGO EFEKTU DO SZCZEGÓŁOWYCH EFEKTÓW ZDEFINIOWANYCH DLA PROGRAMU	CELE PRZEDMIOTU	TREŚCI PROGRAMOWE	NARZĘDZIA DYDAKTYCZNE	SPOSOBY OCENY
EK4	group of curricular contents B III.3.1, B III.3.2	Cel 4	P1 P2 P3 P4	N1 N2 N3 N4 N5	F1 P1
EK5	group of curricular contents B III.3.1, B III.3.2	Cel 5	P1 P2 P3 P4	N1 N2 N5 N6	F1 P1
EK6	group of curricular contents B III.3.1, B III.3.2	Cel 6	P1 P2 P3 P4	N1 N2 N4 N6	F1 P1

11 WYKAZ LITERATURY

LITERATURA PODSTAWOWA

- [1] | J. Mozas, A. Fernandez Per — *Density New Collective Housing*, Madrid, 2006, a+t ediciones
- [2] | Ch. Alexander & others — *A Pattern Language*, Berkeley, New York, 1977, Oxford University Press
- [3] | F. Schneider, ed. — *Housing - Floor Plan Manual*, Basel, Boston, Berlin, 2004, Birkhäuser Publishers for Architecture
- [4] | R. Krier — *Town Spaces*, Basel, Boston, Berlin, 2003, Birkhäuser Publishers for Architecture
- [5] | A. Banka — *Społeczne potrzeby środowiska*, Warsaw, 2002, Scholar
- [6] | A. Mayer — *Socjologia przestrzeni publicznej*, Warsaw, 2010, PWN
- [7] | Ch. Norbert-Schulz — *Bycie, Przestrzeń i Architektura*, Warsaw, 2000, Murator
- [8] | S. Rasmussen — *Odczuwanie Architektury*, Warsaw, 1999, Murator
- [9] | K. Lynch — *Obraz miasta*, Krakow, 2011, Archivolta

LITERATURA UZUPEŁNIAJĄCA

- [1] | Autor — *Tytuł*, Miejscowość, 2015, Wydawnictwo

12 INFORMACJE O NAUCZYCIELACH AKADEMICKICH

OSOBA ODPOWIEDZIALNA ZA KARTĘ

dr inż. arch. Eliza Szczerek (kontakt: eszczerek@gmail.com)

OSOBY PROWADZĄCE PRZEDMIOT

1 D.Sc. Ph.D. Arch. Anna Franta (kontakt: studio_ut@pk.edu.pl)

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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