

POLITECHNIKA KRAKOWSKA IM. TADEUSZA KOŚCIUSZKI

KARTA PRZEDMIOTU

obowiązuje studentów rozpoczynających studia w roku akademickim 2022/2023

Wydział Inżynierii Lądowej

Kierunek studiów: Budownictwo

Profil: Ogólnoakademicki

Forma studiów: stacjonarne

Kod kierunku: BUD

Stopień studiów: II

Specjalności: Structural Design and Management in Civil Engineering (profile: Construction Technology and Management)

1 INFORMACJE O PRZEDMIOCIE

NAZWA PRZEDMIOTU	Zarządzanie procesem inwestycji budowlanych
NAZWA PRZEDMIOTU W JĘZYKU ANGIELSKIM	Management of construction investment process
KOD PRZEDMIOTU	WIL BUD oIIS E12 22/23
KATEGORIA PRZEDMIOTU	Subjects Related to Diploma Projects
LICZBA PUNKTÓW ECTS	3.00
SEMESTRY	2

2 RODZAJ ZAJĘĆ, LICZBA GODZIN W PLANIE STUDIÓW

SEMESTR	WYKŁAD	ĆWICZENIA AUDYTORYJNE	LABORATORIA	LABORATORIA KOMPUTERO- WE	PROJEKTY	SEMINARIUM
2	15	0	0	0	30	0

3 CELE PRZEDMIOTU

Cel 1 Systematizing and complementing students' knowledge about the investment process in construction

Cel 2 Familiarize students with the legal, environmental and economic circumstances of activities carried out in subsequent phases of the construction investment process and to prepare them for conducting research on this subject

4 WYMAGANIA WSTĘPNE W ZAKRESIE WIEDZY, UMIEJĘTNOŚCI I INNYCH KOMPETENCJI

1 basic knowledge of construction law

5 EFEKTY KSZTAŁCENIA

EK1 Wiedza The student has systematized and quite detailed knowledge about the construction investment process

EK2 Umiejętności The student is able to analyze and describe the legal, environmental and economic circumstances of activities carried out in subsequent phases of the construction investment process

EK3 Umiejętności The student is able to prepare, analyze and evaluate selected elements of construction investment documentation

EK4 Kompetencje społeczne The student communicates the results of their own work and team work and is responsible for the reliability of the obtained results

6 TREŚCI PROGRAMOWE

PROJEKTY		
LP	TEMATYKA ZAJĘĆ OPIS SZCZEGÓŁOWY BLOKÓW TEMATYCZNYCH	LICZBA GODZIN
P1	Preliminary studies and pre-project analyzes in the construction investment process. Case study	14
P2	Studies and analysis of selected documentation in the investment process. Legal, technical and economic problems of the investment process in the selected. Case study	16

WYKŁAD		
LP	TEMATYKA ZAJĘĆ OPIS SZCZEGÓŁOWY BLOKÓW TEMATYCZNYCH	LICZBA GODZIN
W1	Construction investment process - definitions and structures. Categories of investors and contractors, entities in the vicinity of the construction investment process. Law regulations.	2
W2	Construction investment planning and preparation stage. Activities, analyzes performed during preparation stage. Legal, environmental and economic circumstances. Feasibility studies	6
W3	The process of obtaining the necessary administrative decisions. Types of administrative decisions. Legal, environmental and economic circumstances. Project documentation. Designer role and responsibility.	3
W4	Construction phase. Rights and duties of building process participants at the construction stage. Legal and environmental circumstances. Deviations from the construction design and consequences of changes.	2

WYKŁAD		
LP	TEMATYKA ZAJĘĆ OPIS SZCZEGÓŁOWY BLOKÓW TEMATYCZNYCH	LICZBA GODZIN
W5	The operation phase of the facility. Use of the building object. Legal and environmental circumstances at the operation stage.	2

7 NARZĘDZIA DYDAKTYCZNE

N1 Design exercises

N2 Discussion

N3 Consultation

N4 Individual and team work

N5 Multimedia presentations

N6 Lectures

8 OBCIĄŻENIE PRACĄ STUDENTA

FORMA AKTYWNOŚCI	ŚREDNIA LICZBA GODZIN NA ZREALIZOWANIE AKTYWNOŚCI
Godziny kontaktowe z nauczycielem akademickim, w tym:	
Godziny wynikające z planu studiów	45
Konsultacje przedmiotowe	3
Egzaminy i zaliczenia w sesji	4
Godziny bez udziału nauczyciela akademickiego wynikające z nakładu pracy studenta, w tym:	
Przygotowanie się do zajęć, w tym studiowanie zalecanej literatury	15
Opracowanie wyników	8
Przygotowanie raportu, projektu, prezentacji, dyskusji	15
SUMARYCZNA LICZBA GODZIN DLA PRZEDMIOTU WYNIKAJĄCA Z CAŁEGO NAKŁADU PRACY STUDENTA	90
SUMARYCZNA LICZBA PUNKTÓW ECTS DLA PRZEDMIOTU	3.00

9 SPOSOBY OCENY

OCENA FORMUJĄCA

F1 individual and team project

F2 test on lecture topics

OCENA PODSUMOWUJĄCA**P1** Weighted average of forming grades 50% + 50%**WARUNKI ZALICZENIA PRZEDMIOTU****W1** Ocena 1**W2** participation in 80% of design exercise classes**OCENA AKTYWNOŚCI BEZ UDZIAŁU NAUCZYCIELA****B1** Test**B1** Projects**KRYTERIA OCENY**

EFEKT KSZTAŁCENIA 1	
NA OCENĘ 2.0	The student is not able to list the individual stages of the construction investment process and characterize each of them even at the primary level or makes very serious mistakes (less than 51% scores during the test)
NA OCENĘ 3.0	The student is able to list the individual stages of the construction investment process and characterize each of them at the very primary level including all analysis prepared required making some mistakes (min. 51% scores during the test)
NA OCENĘ 3.5	The student is able to list the individual stages of the construction investment process and characterize each of them at the more than primary level including all analysis prepared required making some mistakes (min. 61% scores during the test)
NA OCENĘ 4.0	The student is able to list the individual stages of the construction investment process and characterize each of them at the good level including all analysis prepared required (min. 71% scores during the test) making minor mistakes
NA OCENĘ 4.5	The student is able to list the individual stages of the construction investment process and characterize each of them at the more than good level including all analysis prepared required (min. 81% scores during the test) making very little minor mistakes
NA OCENĘ 5.0	The student is able to list the individual stages of the construction investment process and characterize each of them at the very good level including all analysis prepared required (min. 91% scores during the test) without making mistakes or mistakes are not important
EFEKT KSZTAŁCENIA 2	
NA OCENĘ 2.0	The student is not able to analyze and describe the legal, environmental and economic circumstances of activities carried out in subsequent phases of the construction investment process or makes very serious mistakes (less than 51% scores during the test)

NA OCENĘ 3.0	The student is able to present and describe the legal circumstances in subsequent stages of the construction investment process at the very primary level making some mistakes (min. 51% scores during the test)
NA OCENĘ 3.5	The student is able to present and describe the legal circumstances in subsequent stages of the construction investment process at the more than primary level making some mistakes (min. 61 % scores during the test)
NA OCENĘ 4.0	The student is able to present and describe the legal circumstances in subsequent stages of the construction investment process at the good level making minor mistakes (min. 71% scores during the test)
NA OCENĘ 4.5	The student is able to present and describe the legal circumstances in subsequent stages of the construction investment process at the more than good level (min. 81% scores during the test) making very little minor mistakes
NA OCENĘ 5.0	The student is able to present and describe the legal circumstances in subsequent stages of the construction investment process at the very good level without making mistakes or mistakes are not important (min. 91% scores during the test)
EFEKT KSZTAŁCENIA 3	
NA OCENĘ 2.0	The student is not able to prepare, analyze and evaluate selected elements of construction investment documentation, makes very serious mistakes
NA OCENĘ 3.0	The student is able to perform, analyze and evaluate selected elements of the investment documentation with minimum accuracy, at the very primary level, making some mistakes
NA OCENĘ 3.5	The student is able to perform, analyze and evaluate selected elements of the investment documentation with more than minimum accuracy, at the more than primary level, making some mistakes
NA OCENĘ 4.0	The student is able to perform, analyze and evaluate selected elements of the investment documentation with acceptable accuracy, at the good level, making minor mistakes
NA OCENĘ 4.5	The student is able to perform, analyze and evaluate selected elements of the investment documentation with good accuracy, at the more than good level, making little minor mistakes
NA OCENĘ 5.0	The student is able to perform, analyze and evaluate selected elements of the investment documentation with very good accuracy, at the very good level, making little minor mistakes or without mistakes
EFEKT KSZTAŁCENIA 4	
NA OCENĘ 2.0	The student does not carry out the projects individually and as part of a working group, student doesn't cooperate within group
NA OCENĘ 3.0	The student carries out the projects individually and as part of a working group at the very primary level, making some mistakes
NA OCENĘ 3.5	The student does not carry out the projects individually and as part of a working group at the more primary level, making some mistakes

NA OCENĘ 4.0	The student does not carry out the projects individually and as part of a working group at the good level, making minor mistakes
NA OCENĘ 4.5	The student does not carry out the projects individually and as part of a working group, student doesn't cooperate within group at the more than good level, making little minor mistakes
NA OCENĘ 5.0	The student does not carry out the projects individually and as part of a working group, student doesn't cooperate within group, at the very good level, making little minor mistakes or without mistakes

10 MACIERZ REALIZACJI PRZEDMIOTU

EFEKT KSZTAŁCENIA	ODNIESIENIE DANEGO EFEKTU DO SZCZEGÓŁOWYCH EFEKTÓW ZDEFINIOWANYCH DLA PROGRAMU	CELE PRZEDMIOTU	TREŚCI PROGRAMOWE	NARZĘDZIA DYDAKTYCZNE	SPOSOBY OCENY
EK1	K_W17	Cel 1 Cel 2	p1 p2 w1 w2 w3 w4 w5	N1 N2 N3 N4 N5 N6	F1 F2 P1
EK2	K_U17	Cel 1 Cel 2	p1 p2	N1 N2 N3 N4 N5	F1 P1
EK3	K_U17	Cel 1 Cel 2	p1 p2	N1 N2 N3 N4 N5	F1 P1
EK4	K_K01 K_K02 K_K05 K_K07	Cel 1 Cel 2	p1 p2	N1 N2 N3 N4 N5	F1 P1

11 WYKAZ LITERATURY

LITERATURA PODSTAWOWA

- [1] | Połoński, Mieczysław; Pisarska, Ewa; Pruszyński, Kamil; Bogusz, Wojciech — *Kierowanie budowlanym procesem inwestycyjnym*, Warszawa, 2018, SGGW
- [2] | Kietliński, Wiesław; Janowska, Jolanta. — *Proces inwestycyjny w budownictwie*, Warszawa, 2015, Politechnika Warszawska
- [3] | Bielecka, Dorota; Bielecki, Maciej — *The construction law*, Warszawa, 2015, C.H. Beck,
- [4] | Edyta Plebankiewicz — *Recent advances in civil engineering : construction management*, Kraków, 2015, PK

LITERATURA UZUPEŁNIAJĄCA

- [1] | — *Journal of Construction Engineering and Management*, , 0,

[2] **Autor** — *Construction law*, , 2020, www.prawo.sejm.gov.pl

12 INFORMACJE O NAUCZYCIELACH AKADEMICKICH

OSOBA ODPOWIEDZIALNA ZA KARTĘ

dr inż. Renata Kozik (kontakt: rkozik@izwbit.pk.edu.pl)

OSOBY PROWADZĄCE PRZEDMIOT

1 dr inż. prof. PK Renata Kozik (kontakt: renata.kozik@pk.edu.pl)

2 prof. dr hab. inż. Edyta Plebankiewicz (kontakt: eplebank@17.pk.edu.pl)

3 dr hab. inż. prof. PK Krzysztof Zima (kontakt: kzima@17.pk.edu.pl)

4 dr hab. inż. prof. PK Agnieszka Leśniak (kontakt: alesniak@17.pk.edu.pl)

5 dr hab. inż. prof. PK Michał Juszczak (kontakt: mjuszczak@17.pk.edu.pl)

6 dr inż. Damian Wiczorek (kontakt: dwiczorek@17.pk.edu.pl)

7 dr inż. Jarosław Malara (kontakt: jmalara@17.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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