

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: I

Specjalności: Bez specjalności - studia w języku angielskim

1 INFORMACJE O PRZEDMIOCIE

NAZWA PRZEDMIOTU	Etyka
NAZWA PRZEDMIOTU W JĘZYKU ANGIELSKIM	Ethics
KOD PRZEDMIOTU	WIL BUD oIS A8 22/23
KATEGORIA PRZEDMIOTU	Przedmioty ogólne
LICZBA PUNKTÓW ECTS	3.00
SEMESTRY	1

2 RODZAJ ZAJĘĆ, LICZBA GODZIN W PLANIE STUDIÓW

SEMESTR	WYKŁAD	ĆWICZENIA AUDYTORYJNE	LABORATORIA	LABORATORIA KOMPUTERO- WE	PROJEKTY	SEMINARIUM
1	30	0	0	0	0	0

3 CELE PRZEDMIOTU

Cel 1 Introducing students into fundamental ethical concepts and ideas required for understanding of social and human aspects of technology.

Cel 2 Providing an outline of three types of ethical theories and their achievements: virtue ethics, deontological ethics and ethics based on the idea social utility.

Cel 4 Developing the attitude of professional responsibility and autonomy along with the sensitivity to social and human aspects of technology.

4 WYMAGANIA WSTĘPNE W ZAKRESIE WIEDZY, UMIEJĘTNOŚCI I INNYCH KOMPETENCJI

1 None

5 EFEKTY KSZTAŁCENIA

EK1 Wiedza Student explains the aims and methods of ethics, defines the main concepts and problems.

EK2 Wiedza Student presents and explains the assumptions and achievements of: virtue ethics, deontology and ethics of social utility.

EK3 Wiedza Student describes the principles of engineering ethics and explains their meaning in different cases. Explains the methods and typical cases along with the idea responsibility.

EK4 Umiejętności Student carries out the analysis of ethical aspects of misjudgements improper decisions and disasters, develops correct arguments and searches for the right solutions.

EK5 Kompetencje społeczne Student actively takes part in discussions, identifies the problems demonstrating the capacity of foreseeing the consequences and the attitude of professional responsibility.

6 TREŚCI PROGRAMOWE

WYKŁAD		
LP	TEMATYKA ZAJĘĆ OPIS SZCZEGÓŁOWY BLOKÓW TEMATYCZNYCH	LICZBA GODZIN
W1	Morality and normative ethics, the aims and methods of ethics, fundamental concepts, ethics and practice in the the world of science and technology.	2
W2	Assumptions, methods and achievements of virtue ethics. Development, classical theories, prospects and importance for engineering ethics.	5
W3	Assumptions, methods and achievements of ethics based on the idea of deontological duties. Development, classical theories. Argumentation based on the idea of duties in practice, conflicts of duties and ethical dilemmas, deontological ethics and consequentialism, the importance for engineering ethics.	4
W4	Assumptions, methods and achievements of ethics based on the idea of social consequences. Development, classical theories. Argumentation based on the idea of consequences in practice. The idea of responsibility; responsibility of an agent and universal care, conditions for responsible action.	6
W5	Ethics of engineer in the light of FEANI and other codes. An analysis and model of human action, decision making. The method for case studies.	4

WYKŁAD		
LP	TEMATYKA ZAJĘĆ OPIS SZCZEGÓŁOWY BLOKÓW TEMATYCZNYCH	LICZBA GODZIN
W6	Principles of engineering ethics: public safety, the safety and organization of working place, the care for environment, honesty, integrity, loyalty and the conflicts of interests, principle of justice and autonomy in management, the duty of professional development and the idea of perfection. Accepting criticism and integrity in professional judgements, the principle of responsibility and its importance.	5
W7	The principles of engineering ethics in practice : designing, constructing, management of systems. Case studies of disasters in civil engineering, {building and bridges) communication, aviation, ecology. The role of professional judgement and positive responsibility in reducing the risk.	4

7 NARZĘDZIA DYDAKTYCZNE

N1 Wykłady

N2 Prezentacje multimedialne

N3 Dyskusja

8 OBCIĄŻENIE PRACĄ STUDENTA

FORMA AKTYWNOŚCI	ŚREDNIA LICZBA GODZIN NA ZREALIZOWANIE AKTYWNOŚCI
Godziny kontaktowe z nauczycielem akademickim, w tym:	
Godziny wynikające z planu studiów	30
Konsultacje przedmiotowe	15
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	15
Opracowanie wyników	0
Przygotowanie raportu, projektu, prezentacji, dyskusji	30
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 Odpowiedź ustna, aktywność i pytania na wykładach.

OCENA PODSUMOWUJĄCA

P1 Zaliczenie pisemne : kolokwium lub wykonanie samodzielnego studium problemu

WARUNKI ZALICZENIA PRZEDMIOTU

W1 Aktywny udział w zajęciach. Pozytywna ocena z kolokwium lub samodzielnej pracy.

KRYTERIA OCENY

EFEKT KSZTALCENIA 1	
NA OCENĘ 2.0	Student has no knowledge required for 3.0.
NA OCENĘ 3.0	Student explains basic concepts and methods of ethics.
NA OCENĘ 3.5	Student explains basic concepts and methods of ethics and can explain the assumptions and theses of each method.
NA OCENĘ 4.0	Student explains basic concepts and methods of ethics and can explain the assumptions and theses of each method along with the proper justification.
NA OCENĘ 4.5	Student explains basic concepts and methods of ethics and can explain the assumptions and theses of each method along with the proper justification. He/she also can explain their meaning in case studies.
NA OCENĘ 5.0	Student explains basic concepts and methods of ethics and can explain the assumptions and theses of each method along with the proper justification. He/she also can explain their meaning in cases and creatively use them for the problems of the civilization of science and technology.
EFEKT KSZTALCENIA 2	
NA OCENĘ 2.0	Student has no knowledge required for 3.0.
NA OCENĘ 3.0	Student knows assumptions and results of the ethics of character, deontology and consequentialism.
NA OCENĘ 3.5	Student knows assumptions and results of the ethics of character, deontology and consequentialism. Student explains them using selected examples.
NA OCENĘ 4.0	Student knows assumptions and results of the ethics of character, deontology and consequentialism. Student explains them using many examples.
NA OCENĘ 4.5	Student knows assumptions and results of the ethics of character, deontology and consequentialism. Student explains using many examples and can identify the external conditions and problems of technology.

NA OCENĘ 5.0	Student knows assumptions and results of the ethics of character, deontology and consequentialism. Student explains using many examples and can identify the external conditions and problems of technology. Student can creatively argue referring to deontology, consequentialism or virtue ethics.
EFEKT KSZTAŁCENIA 3	
NA OCENĘ 2.0	Student has no knowledge required for 3.0.
NA OCENĘ 3.0	Student knows the principles of engineering ethics, the method of case studies and the principle of responsibility.
NA OCENĘ 3.5	Student knows the principles of engineering ethics, the method of case studies and the principle of responsibility. Student explains their meaning using proper cases.
NA OCENĘ 4.0	Student knows the principles of engineering ethics, the method of case studies and the principle of responsibility. Student explains their meaning using many cases and discusses the role of professional judgements.
NA OCENĘ 4.5	Student knows the principles of engineering ethics, the method of case studies and the principle of responsibility. Student explains their meaning using many cases and discusses the role of professional judgements and responsibility in a creative way.
NA OCENĘ 5.0	Student knows the principles of engineering ethics, the method of case studies and the principle of responsibility. Student explains their meaning using many cases and discusses the role of professional judgements and responsibility in a creative way.
EFEKT KSZTAŁCENIA 4	
NA OCENĘ 2.0	Student can't analyse a typical case or problem.
NA OCENĘ 3.0	Student carries out the analysis of a typical case or problem and shows its possible solution.
NA OCENĘ 3.5	Student carries out the analysis of a typical case or problem and shows its all possible solutions.
NA OCENĘ 4.0	Student carries out the analysis of a typical case or problem and shows its all possible solutions, can identify the best solution and defend it in discussion.
NA OCENĘ 4.5	Student carries out the analysis of both a typical and complex cases or problems and shows their all possible solutions, can identify the best solution and defend it in discussion.
NA OCENĘ 5.0	Student carries out the analysis of both a typical and complex cases or problems and shows their all possible solutions, can identify the best solution and defend it in discussion in a creative way.
EFEKT KSZTAŁCENIA 5	
NA OCENĘ 2.0	Student doesn't take part in discussion.
NA OCENĘ 3.0	Student rarely takes part in discussions.

NA OCENĘ 3.5	Student takes part in discussions, identifies properly the problems of social and ecological impact of technology.
NA OCENĘ 4.0	Student takes part in discussions, identifies properly the problems of social and ecological impact of technology, can justify his/her judgements.
NA OCENĘ 4.5	Student takes part in discussions, identifies properly the problems of social and ecological impact of technology, can justify his/her judgements and takes responsibility for his/her decisions.
NA OCENĘ 5.0	Student takes part in discussions, identifies in a creative way the problems of social and ecological impact of technology, can justify his/her judgements and takes responsibility for his/her decisions.

10 MACIERZ REALIZACJI PRZEDMIOTU

EFEKT KSZTAŁCENIA	ODNIESIENIE DANEGO EFEKTU DO SZCZEGÓLOWYCH EFEKTÓW ZDEFINIOWANYCH DLA PROGRAMU	CELE PRZEDMIOTU	TREŚCI PROGRAMOWE	NARZĘDZIA DYDAKTYCZNE	SPOSOBY OCENY
EK1	K_K01 K_K10	Cel 1	w1 w2 w3 w4 w5 w6 w7	N1 N2 N3	F1 P1
EK2	K_K01 K_K10	Cel 2	w2 w3 w4 w5	N1 N2 N3	F1 P1
EK3	K_K01 K_K02 K_K05	Cel 2 Cel 4	w4 w5 w6 w7	N1 N2 N3	F1 P1
EK4	K_K01 K_K02 K_K03 K_K10	Cel 2 Cel 4	w4 w5 w6 w7	N1 N2 N3	F1 P1
EK5	K_K01 K_K02 K_K06 K_K08 K_K10	Cel 4	w1 w2 w3 w4 w5 w6 w7	N1 N2 N3	F1 P1

11 WYKAZ LITERATURY

LITERATURA PODSTAWOWA

- [1] | P. Vardy, P. Grosch — *The Puzzle of Ethics*, London, 1990, Harper Collins
- [4] | M. Martin, R. Schinzinger — *Ethics in Engineering*, New York, 1996, McGraw-Hill
- [5] | C. E Harris, M. S. Pritchard, M. J. Rabins — *Engineering Ethics: Concepts and Cases*, Belmont, 2005, Worthadsw Thomson

LITERATURA UZUPEŁNIAJĄCA

- [1] P. Singer (Ed.) — *A Companion to Ethics*, Malden Ma, 1997, Blackwell
[3] M. Pyka — *Business and Ethics*, Dordrecht, 2002, Analacta Husserliana

12 INFORMACJE O NAUCZYCIELACH AKADEMICKICH**OSOBA ODPOWIEDZIALNA ZA KARTĘ**

dr hab. prof. PK Marek Pyka (kontakt: mpyka@pk.edu.pl)

OSOBY PROWADZĄCE PRZEDMIOT

1 dr hab. prof. PK Marek Pyka (kontakt: mpyka@pk.edu.pl)

13 ZATWIERDZENIE KARTY PRZEDMIOTU DO REALIZACJI

(miejsowość, data)

(odpowiedzialny za przedmiot)

(dziekan)

PRZYJMUJĘ DO REALIZACJI (data i podpisy osób prowadzących przedmiot)

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