

Politechnika Krakowska im. Tadeusza Kościuszki

KARTA PRZEDMIOTU

Etyka <i>nazwa przedmiotu</i>
Ethics <i>nazwa przedmiotu w języku angielskim</i>
angielski <i>język wykładowy</i>
Przedmioty ogólne <i>kategoria przedmiotu/grupa zajęć</i>

Cykl kształcenia rozpoczynający się od: rok akademicki 2025/202, semestr

Jednostka organizacyjna: Wydział inżynierii Lądowej

Kierunek studiów: Budownictwo studia w języku angielskim

Specjalność: do ustalenia z opiekunem kierunku

Profil studiów: do ustalenia z opiekunem kierunku

Poziom studiów I

Forma studiów stacjonarne

Wymagania wstępne:

Without prerequisites

Cele przedmiotu:

1. Introducing fundamental ethical concepts, methods and ideas required for understanding the social and human aspects of technology. Deontological ethics, social utility ethics and virtue ethics.
2. Introducing fundamental principles of engineering ethics along with case studies illustrating their importance,
3. Developing skill of critical analysis of cases and problems in technology in the light of principles of engineering ethics.
4. Developing the attitude of professional responsibility and autonomy along with the sensitivity to social and human aspects of technology.

Efekty uczenia się:

Kod efektu uczenia się	Opis efektu uczenia się	Kod kierunkowego efektu uczenia się
Wiedza Absolwent zna i rozumie:		
EW1	the aims and methods of ethics, defines the main concepts and problems. Graduate presents and explains the assumptions and achievements of: virtue ethics, deontology and ethics of social utility.	
EW2	the principles of engineering ethics and explains their meaning in different cases. Graduate explains the methods and typical cases along with the idea responsibility.	
Umiejętności Absolwent potrafi:		
EU1	carry out the analysis of cases and problems emerging in the world of technology	
Kompetencje społeczne Absolwent jest gotów do:		
EK1	to develop the attitude of professional responsibility	

Forma zajęć, semestralna liczba godzin:

Semestr	Punkty ECTS	Forma zaliczenia (E/Z)	Wykłady (W)	Ćwiczenia (C)	Laboratoria (L)	Laboratoria komputerowe (LK)	Projekty (P)	Seminaria (S)	Praktyka zawodowa (PZ)
1	3	Z	30						

E – egzamin; Z – zaliczenie

Treści programowe:

Lp.	Forma zajęć	Tematyka zajęć	Liczba godzin
1	W	Morality and normative ethics, the aims and methods of ethics, fundamental concepts, ethics and practice in the world of science and technology.	2
2	W	Assumptions, methods and achievements of ethics based on the idea of deontological duties. Development and classical theories. Argumentation based on the idea of duties in practice, conflicts of duties and ethical dilemmas, , the importance for engineering ethics.	3
3	W	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.	2
4	W	The fundamental principles of engineering ethics in the light of codes. The method for the analysis of cases.	3

5	W	Principles of engineering ethics in practice: 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.	9
6	W	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.	9
7		An analysis and model of human action and decision making. The idea of responsibility; responsibility of an agent and universal care, conditions for responsible action. The fundamental role of responsibility in professional ethics.	2

Praca własna studenta:

Lp.	Opis pracy własnej	Liczba godzin
1	Study of recommended literature	25
2	Preparation fot the test	25
3	Consultation (in directcontact with the teacher)	10

Metody dydaktyczne:

Lectures
Presentation
Case studies
Video materials

Metody i techniki kształcenia na odległość:

Teams

Sposoby weryfikacji i oceny efektów uczenia się:

REQUIREMENTS FOR PASSING THE COURSE

Positive grade from the final test (open questions) (GT)

OVERALL GRADE

Overall grade= GT

Kryteria oceny:

The scale of grades

For grade 5,0 Student explains the difference between morality and ethics. Describes the main methods, concepts and aims of virtue ethics, deontology and ethics of social utility.

For grade 5,0 Student describes the principle of engineering ethics and illustrates their importance using properly selected case studies.

For grade 5,0 Student carries out a case study of a disaster or event in the world of technology in the light of the code of engineering ethics.

For grade 5,0 Student adopts the attitude of professional responsibility the responsibility for his personal development. Using social skills, student can work both independently and as a good team member.

Literatura:

obowiązkowa:

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

zalecana/fakultatywna:

1. P. Singer (Ed.) — A Companion to Ethics, Malden Ma, 1997, Blackwell
2. M. Pyka — Business and Ethics, Dordrecht, 2002, Analecta Husserliana