



Subject card

Subject name and code	BIOETHICS, PG_00065640						
Field of study	Biotechnology						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
Education level	second-cycle studies		Subject group		Obligatory subject group in the field of study Humanistic-social subject group		
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		3.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Biotechnology and Microbiology -> Faculty of Chemistry -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Hubert Cieśliński				
	Teachers		dr hab. inż. Hubert Cieśliński				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	E-learning hours included: 0.0						
	eNauczanie source address: https://enauczanie.pg.edu.pl/2025/mod/forum/view.php?id=231680						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	30		15.0		30.0	75
Subject objectives	Students learn about the history of bioethics. Students learn about the various ethical concepts used in discussions about the definition of the human essence and the criteria used to assess human value within various ethical systems (materialistic and idealistic concepts, utilitarianism, eugenics). The student obtains knowledge that allows him to participate in: a) discussion on the ethical aspects of in vitro fertilization, b) discussion on the ethical aspects of organ transplantation, c) discussion on the ethical aspects of euthanasia, d) discussion on the construction and consumption of genetically modified organisms (animals and plants) , e) discussions on the ethical aspects of reproductive cloning of animals, plants and humans, f) discussions on the ethical aspects of research into obtaining stem cells and their use in medicine.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_U06] plans research and designs biotechnological products and processes taking into account legal regulations and bioethical principles		is able to plan bioethics experiments or apply medical procedures, whose effects may raise moral objections or involve violations of the applicable legal order.		[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject		
	[K7_K02] is aware of the potential risks and opportunities associated with the development of science and technology for the natural environment and society		is aware of the potential legal consequences arising from differing ethical assessments of various moral stances when working on the development of technologies that impact the natural environment and society		[SK5] Assessment of ability to solve problems that arise in practice		
	[K7_W07] has the skills to design experiments with respect to the protection of intellectual property and the principles of bioethics and applicable legislation		has knowledge of bioethics needed when designing experiments or applying medical procedures whose effects may raise moral objections or involve violations of the applicable legal order.		[SW1] Assessment of factual knowledge		

Subject contents	Course content – lecture Lecture - topics Bioethics beginnings. Bioethics as ethical knowledge in medicine. Bioethics as ethical knowledge in biology and biotechnology. Conception and death: bioethics towards the limit states of human life. Debate on the IVF conception. The Embryo: Two Views - Quality of Life or Sanctity of Life? The embryo as a building material in "therapeutic" cloning. Eugenics: A Controversial Idea of the Improvement of the Human Race. The dispute over the moral and legal status of man in the prenatal period. Prenatal testing in pregnancy, benefits versus risks. Transplantology: Yesterday, Today, Tomorrow - Legal and Moral Aspects of Human Organ Harvesting for Transplantation. Stem cells in medicine, in vitro culture of tissues and organs. History of euthanasia. Arguments of supporters and opponents of euthanasia: dilemmas surrounding patient consent. Genetically Modified Organisms (GMOs) yesterday, today, tomorrow. GMOs as Producers of Consumer Goods: Should We Be Afraid of Them?		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Online test and/or final paper (for students participating in Erasmus exchanges, etc., or those having health problems, the only way to pass the course is by submitting a final paper)	80.0%	100.0%
Recommended reading	Basic literature	Ramón Lucas Lucas "Bioetyka dla każdego" Wydawnictwo: Edycja Świętego Pawła Wydanie: Częstochowa 2005 Michele Aramini "Bioetyka dla wszystkich" Wydawnictwo: Espe Wydanie: Kraków 2011 Ślipko Tadeusz "Bioetyka. Najważniejsze problemy" Wydawnictwo Petrus, Kraków, 2012	
	Supplementary literature	Andrzej Muszala "Encyklopedia bioetyki" Wydawnictwo: Polwen Wydanie: Radom 2009	
	eResources addresses		
Example issues/ example questions/ tasks being completed	1. Please define the term Bioethics 2. Please explain what processes led to the creation of Bioethics 3. Please define the concept of eco-ethics and present its relation to bioethics. 4. Please briefly present the most important philosophical thoughts shaping the contemporary different approach to the essence of man in the bioethical discussion.		
Practical activities within the subject	Not applicable		

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