Subject card

Subject name and code	AI in Academic Education, PG_00186634						
Field of study	Chemistry, Cultural Communication, Quantum Information Technology, Criminology and Criminal Justice, Finance and Accounting, Informatics and Econometrics, Management, International Business, Logistics and Mobility, Marine Biotechnology, Tourism and Hospitality, Global Studies, Solidarity Studies						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2026/2027		
Education level	Master's studies		Subject group		Obligatory subject group in the field of study		
Mode of study	full-time studies		Mode of delivery		e-learning		
Year of study	1		Language of instruction		English		
Semester of study	1		ECTS credits		0.0		
Learning profile	academic		Assessment form		credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Hanna Makurat-Snuzik, prof. UG				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	0.0	0.0	15
	E-learning hours included: 15.0						
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	15		0.0		5.0	20
Subject objectives	The aim of the course is to provide students with a conscious, critical and practical understanding of the role of artificial intelligence in the modern academic world and to prepare them for the responsible use of AI tools in the process of education, scientific development and future professional career.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
	W1 - knows and understands the basic concepts, concepts and principles of operation of artificial intelligence models and tools, with particular emphasis on their use in the learning process. W2 - knows and understands the ethical and legal foundations regarding the development and use of artificial intelligence. U1 - is able to critically analyze the possibilities and limitations of using AI tools in the learning process and select appropriate technological solutions in the field of artificial intelligence to support the learning process; U2 - can critically analyze the possibilities, limitations and threats related to the use of artificial intelligence in the process of preparing one's own academic texts; K1 - is ready to comply with ethical principles and applicable legal regulations regarding the use of artificial intelligence; K2 - is ready to use artificial intelligence in a critical and conscious way, respecting data protection regulations and copyright law; K3 - is ready to develop its competences in the field of artificial intelligence in the context of progress in the development of AI technology and ongoing changes in the labor market.	[SW4] test/exam - oral or written [SW5] implementation of a problem task [SU4] test/exam - oral or written [SK4] test/exam - oral or written

Subject contents

Introduction. The importance of artificial intelligence in academic education.
1. Artificial Intelligence. Basic terms and concepts. Principles of operation of artificial intelligence models.
2. Artificial intelligence and human intelligence. Understanding, awareness, subjectivity. The Turing Test for Modern AI Models.
3. History of learning programs. Types of machine learning.
4. Natural language processing. How does artificial intelligence read, generate and translate texts? Prompting techniques as support in the academic education process.
5. Artificial intelligence as a set of tools supporting self-development and learning. A suite of artificial intelligence applications and tools for students.
6. The importance of writing for the development of science. The condition of writing and text created by humans in the era of generative artificial intelligence. Authorship of the text. AI-generated content in the context of copyright law.
7. The potential and threats related to the use of artificial intelligence in the process of preparing diploma theses, texts and academic projects.
8. Legal framework for the design and use of artificial intelligence. AI Act. White Paper. UNESCO recommendations. Institutional codes.
9. GDPR and the right to privacy in the era of artificial intelligence in the context of the AI Act.
10. The idea of trustworthy artificial intelligence. "Hallucinations" of artificial intelligence models. The idea of transparency in the face of disinformation and manipulation using AI systems.
11. Ethical foundations for the development and use of artificial intelligence. Ethical standards for the use of AI tools in force at the University of Gdańsk.
12. Humanity as a superior value in the era of artificial intelligence. The likelihood of an existential threat related to the uncontrolled development of artificial intelligence systems. Human-centric approach and protection of human freedom as the primary goal of ethical and legal norms in the context of the development of uncontrolled artificial intelligence.
13. Superintelligence, i.e. general artificial intelligence. Paths of development, potential and cognitive superpowers. Ethical consequences of creating superintelligence.
14. Education in the era of artificial intelligence. Developing competences in the field of artificial intelligence. Developing human competences.
15. Consciously shaping your professional career in the era of artificial intelligence. Understanding the ongoing changes in the labor market in the context of the development of AI technology.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
practical tasks	51.0%	50.0%
test	51.0%	50.0%

Recommended reading	Basic literature	

Supplementary literature	*AI Act*; *https://eur-lex.europa.eu/legal-content/PL/TXT/?uri=CELEX:32024R1689* Bostrom, Nick. 2023. *Superinteligencja. Scenariusze, strategie, zagrożenia*, przekład Doota Konowrocka-Sawa. Helion S.A., Gliwice. Chojnowski, Maciej. 2022. *Etyka sztucznej inteligencji. Wprowad*zenie, Fundacja Humanites Sztuka Wychowania, Warszawa; https://ethicstech.eu/wp-content/uploads/2022/12/ESIW-v2.0_FINAL.pdf Dragan, Andrzej. 2025. *Ouo vAIdis*, Wydawnictwo Otwarte, Kraków. Du Sautoy Marcus. 2020. *Kod kreatywności. Sztuka i innowacje w epoce sztucznej inteligencji*, przekład Tadeusz Chawziuk, Copernicus Center Press, Kraków. Juszczk, Michał, *Sztuczna inteligencja zasady z Asilomar*; https://instytutsprawobywatelskich.pl/sztuczna-inteligencja-zasady-z-asilomar/ Komisja Europejska. 2020. *Biała Księga w sprawie sztucznej inteligencji. Europejskie podejście do doskonałości i zaufania*, Bruksela, 19 lutego 2020 r.; https://eur-lex.europa.eu/legal-content/PL/TXT/?uri=celex%3A52020DC0065 Lubasz, Dominik. 2025. *Rodo dla AI. Zgodność z zasadami godnej zaufania sztucznej inteligencji w modelu data protection by design*, Wolter Kluwer, Warszawa. Mollick Ethan. 2024. *Co-intelligence. Living and Working with AI*, London, WH Allen. Perzycka-Borowska, Elżbieta, Lib, Waldemar, Marek, Lidia, Cywiński, Aleksander (red.). 2025. *Relacje człowieka z generatywną sztuczną inteligencją. Autoetnografie nauczycieli i studentów*, Uniwersytet Szczeciński, Szczecin. Rybiński, Krzysztof, Królewski, Jarosław. 2024. *Algokracja. Jak i dlaczego sztuczna inteligencja zmienia wszystko*, PWN, Warszawa. Searle, John. 1995. *Umysły, mózgi i programy*, przełożył Bohdan Chwedeńczuk. W: *Filozofia umysłu*, wybrał i wstępem opatrzył Bohdan Chwedeńczuk, tłumaczyli Tadeusz Baszniak, Bohdan Chwedeńczuk, Cezary Cieśliński, Paweł Dziliński, Anna Jedynak, Michał Szczubiałka, Warszawa: Fundacja Aletheia, Wydawnictwo Spacja, 301-324. Świerczyński, Marek, Więckowski, Zbigniew. 2021. *Sztuka inteligencja w prawie międzynarodowym. Rekomendacje wybranych rozwiązań*, Difin, Warszawa. Szutta, Artur. 2024. Czym zajmuje się etyka sztucznej inteligencji? *Filozofuj*, 1 (55); https://filozofuj.eu/artur-szutta-czym-zajmuje-sie-etyka-sztucznej-inteligencji/ Turing, Alan. 1950. Computing Machinery and Intelligence, *Mind*, New Series, 59, 236, 433-460. UNESCO. 2024. *Zalecenie UNESCO w sprawie etyki sztucznej inteligencji. Kształtowanie przyszłości naszych społeczeństw*; https://epale.ec.europa.eu/pl/resource-centre/content/zalecenie-unesco-w-sprawie-etyki-sztucznej-inteligencji-kształtowanie , 1 stycznia 2024. Yudkowsky, Eliezer & Soares, Nate. 2025. *If Anyone Builds It,*

		Everyone Dies: The Case Against Superintelligent AI. London, Vintage Publishing.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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