GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	LEGAL ASPECTS OF TECHNOLOGY, PG_00070267		
Field of study	PRAWNE ASPEKTY TECHNOLOGII		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2025/2026
Education level	second-cycle studies	Subject group	Optional subject group Subject group related to scientific research in the field of study
Mode of study	Part-time studies	Mode of delivery	at the university
Year of study	2	Language of instruction	Polish
Semester of study	4	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Informatics In Management -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Magdalena Ciesielska	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	8.0	16.0	0.0	0.0	0.0	24

E-learning hours included: 0.0

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	24	4.0	47.0	75

Subject objectives

The aim of the course is to prepare students to analyze the legal, economic and ethical challenges related to technologies, including artificial intelligence, based on knowledge of regulations and principles of responsible use of data, and to shape attitudes related to the clear and reliable presentation of analytical results in discussions about technologies in the economy.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_W05] Possesses in-depth knowledge of the principles of integrating economic, legal, and ethical contexts in analyses and applying them in entrepreneurial activities while respecting copyright protection rules	The student knows and understands the principles of analysis of legal, economic and ethical aspects of technology, including the applications of artificial intelligence, in the context of data regulations, digital services and the responsible use of technology.	[SW3] Ocena wiedzy zawartej w opracowaniu tekstowym i projektowym
[K7_U04] Prepares and delivers convincing presentations of the results of specialized analyses, providing in-depth interpretations during debates and meetings with diverse audiences.	The student is able to prepare and convincingly present the results of the analysis of technological regulations, including those related to artificial intelligence, using interpretation and argumentation techniques in discussions with various audiences.	[SU2] Ocena umiejętności analizy informacji [SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu

Subject contents

Course content – lecture

1. Introduction to the topic. What is technology? What is technology law? The legislative role. What are the relationships between regulations?
2. Introduction to data governance
3. Personal data protection and new technologies (GDPR)
4. Digital Markets Act
5. Digital Services Act
6. AI Act
7. Technological contract law. Licenses, smart contracts.
8. Human rights and technology.
9. The social challenge and ethical application of technology.

Course content – exercises

1. Data Governance
2. Digital Service Act
3. AI Act
4. Contract law. Licensing, Smart Contracts.
5. Social and ethical challenges of technology implementation.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
team presentation	60.0%	15.0%
case study	60.0%	15.0%
discussion	50.0%	10.0%
lectures	60.0%	60.0%

Recommended reading

Basic literature

Regulation (EU) 2024/1689 of the European Parliament and of the Council of 13 June 2024 laying down harmonised rules on artificial intelligence and amending Regulations (EC) No 300/2008, (EU) No 167/2013, (EU) No 168/2013, (EU) 2018/858, (EU) 2018/1139 and (EU) 2019/2144 and Directives 2014/90/EU, (EU) 2016/797 and (EU) 2020/1828 (Artificial Intelligence Act)

Supplementary literature

- Legal Implications of Data Mining: Assessing the European Union's Data Protection Principles in Light of the United States Government's National Intelligence Data Mining Practices by Liane Colonna
- Schreieck, M., Hein, A., Wiesche, M. and Krcmar, H., 2018. The challenge of governing digital platform ecosystems. In Digital marketplaces unleashed (pp. 527- 538). Springer, Berlin, Heidelberg. If not accessible, please find this alternative: Almeida, V.A., Goh, B. and Doneda, D., 2017. A principles-based approach to govern the IoT ecosystem. IEEE Internet Computing, 21(4), pp. 78-81
- Susskind, D. and Susskind, R., 2018. The future of the professions. Proceedings of the American Philosophical Society, 162(2), pp.125-138
- Lazazzara, A., Ricciardi, F. and Za, S., 2020. Exploring Digital Ecosystems. Springer

eResources addresses

Example issues/ example questions/ tasks being completed

Critical analysis of a legal act, case study, team presentation

Practical activites within the subject

Not applicable

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