GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Legal Aspects of Technology, PG_00073996		
Field of study	Economic Analytics		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2026/2027
Education level	second-cycle studies	Subject group	Optional subject group
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	0.0	0.0	0.0	24.0	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	3.0	48.0	75

Subject objectives

The course prepares students to identify, analyse and assess the legal, economic and ethical conditions for using digital technologies in business, with particular emphasis on working with data and artificial intelligence systems.

In a team project, students carry out a compliance analysis of a selected technological or analytical solution. They formulate business recommendations and defend them in discussion, critically interpreting legislation, supervisory authority guidelines and industry sources.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_U02] presents logical and well-founded arguments regarding obtained results through the analysis and synthesis of information in various business contexts, critically evaluating their interpretation.	Can carry out a legal compliance analysis of a selected technological solution (e.g. AI system risk classification, simplified DPIA, obligations map) and synthesise it into recommendations for management.	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU5] Assessment of ability to present the results of task
[K7_W05] has in-depth knowledge of integrating economic, legal, and ethical aspects in analyses and their application in entrepreneurial activities.	Knows and understands the key EU and Polish regulations on digital technologies (GDPR, AI Act, Data Act, DGA, DSA/DMA, NIS2/national cybersecurity system, copyright, IT contracts) and their scope of application to businesses.	[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge

Subject contents	Course content – project 1. Introduction to technology law 2. Personal data in analytics (GDPR I) 3. Compliance management (GDPR II) 4. Data economy 5. AI Act I – regulatory architecture 6. AI Act II – obligations and liability 7. Intellectual property 8. IT and cloud contracts 9. Cybersecurity 10. Platforms and digital markets 11. Ethics and technology governance 12. Project presentations and defence
Prerequisites and co-requisites	• Basic knowledge of economics, management and data analysis at first-cycle (Bachelor's) level. • General familiarity with information systems and data processing in a company. • No prior legal education is required.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
project report	60.0%	50.0%
project presentation	60.0%	25.0%
partial tasks	60.0%	25.0%

Recommended reading

Basic literature	1. Regulation (EU) 2016/679 (GDPR). 2. Regulation (EU) 2024/1689 (AI Act) as amended by the Digital Omnibus on AI (2026). 3. Regulation (EU) 2023/2854 (Data Act) and Regulation (EU) 2022/868 (Data Governance Act). 4. Regulations (EU) 2022/2065 (DSA) and 2022/1925 (DMA). 5. Directive (EU) 2022/2555 (NIS2) and the Polish Act of 5 July 2018 on the National Cybersecurity System. 6. Polish Act of 4 February 1994 on Copyright and Related Rights. 7. Lai L., Świerczyński M. (eds.), *Prawo sztucznej inteligencji* [Artificial Intelligence Law], C.H. Beck, Warsaw 2020. 8. Fischer B., Pązik A., Świerczyński M. (eds.), *Prawo sztucznej inteligencji i nowych technologii* [Law of Artificial Intelligence and New Technologies], Wolters Kluwer, Warsaw 2021.
Supplementary literature	1. Litwiński P. (ed.), *Ogólne rozporządzenie o ochronie danych osobowych. Komentarz* [General Data Protection Regulation: A Commentary], C.H. Beck, Warsaw 2018. 2. Kuner C., Bygrave L.A., Docksey C. (eds.), *The EU General Data Protection Regulation (GDPR): A Commentary*, Oxford University Press, 2020. 3. Bradford A., *Digital Empires: The Global Battle to Regulate Technology*, Oxford University Press, 2023. 4. Floridi L., *The Ethics of Artificial Intelligence*, Oxford University Press, 2023. 5. European Data Protection Board (EDPB) guidelines on selected topics (current at the time of classes).
eResources addresses	

Example issues/ example questions/ tasks being completed	**Example project topics** (compliance analysis + recommendations for management): 1. A machine-learning credit scoring model in a bank (Art. 22 GDPR, high-risk system under AI Act Annex III, DORA). 2. Deploying a GenAI chatbot in an online shop's customer service (transparency obligations, GDPR, copyright in content). 3. An AI system supporting recruitment and employee evaluation (AI Act, GDPR, labour law, risk of discrimination).
Practical activites within the subject	Not applicable

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