GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Sustainable Finance, PG_00067798		
Field of study	Economic Analytics		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2026/2027
Education level	first-cycle studies	Subject group	Optional subject group Subject group related to scientific research in the field of study
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	2	Language of instruction	Polish
Semester of study	4	ECTS credits	4.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department Of Finance -> Faculty Of Management And Economics -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Katarzyna Kubiszewska	
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	30.0	0.0	0.0	0.0	45

E-learning hours included: 0.0

Additional information:

- *Interactive lecture*
- *Implementation of a team project*
- *Case study solving*
- *Facilitated discussion*

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	45	5.0	50.0	100

Subject objectives

The aim of the course is to equip students with the knowledge and skills necessary to understand, assess, and apply the principles of sustainable development in financial practice. Students will become familiar with the fundamentals of the ESG (Environmental, Social, Governance) framework, current legal regulations, reporting standards, and financial instruments that support the transition toward a sustainable economy. The course develops analytical competencies needed to evaluate ESG-related risks, recognize greenwashing, and implement responsible investment and financial strategies in both the private and public sectors. Particular emphasis is placed on practical applications from interpreting ESG data to analyzing green bonds and innovative technologies that enhance transparency and the effectiveness of pro-environmental actions.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U06] acquires specialized knowledge in the field of economic analytics, demonstrating the ability to effectively plan individual work and pursue lifelong learning.	The student is able to analyze a company's ESG data, assess sustainability-related risks, and propose an investment strategy aligned with the principles of sustainable finance.	[SU5] Assessment of ability to present the results of task
[K6_W03] is familiar with reliable sources of information and employs advanced knowledge to explain the fundamental dilemmas of the contemporary economy	The student knows and understands the fundamental concepts and legal regulations related to sustainable finance, including ESG principles, the EU Taxonomy, and the reporting requirements arising from EU legislation.	[SW2] Assessment of knowledge contained in presentation

<table>
<tr><td>Subject contents</td><td>1. Definition and significance of sustainable finance
2. History and development of the ESG (Environmental, Social, Governance) concept
3. Key legal acts and regulations
4. Sustainable business models and their impact on financial performance
5. ESG assessment standards and methods
6. Companies' reporting obligations
7. Methods for measuring and disclosing ESG data
8. Green, social, and sustainable bonds
9. Green loans and ESG-based financing
10. The role of banks and financial institutions in promoting sustainable finance
11. Sustainable investment strategies
12. ESG risk assessment and its impact on investment decisions
13. Greenwashing how to identify and avoid it
14. New technologies and sustainable finance (AI, blockchain in ESG)
15. Future trends and directions in the sustainable finance market</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>classwork</td><td>60.0%</td><td>50.0%</td></tr><tr><td>project</td><td>60.0%</td><td>50.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>Miszczuk, A., Miszczuk, M., Sekuła, A. (2024). Zielona transformacja gospodarki i finansów samorządowych. Polska: Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu.

Postuła, M., Lipski, M. (2024). Green Finance in the European Union. Wielka Brytania: Taylor & Francis.

Zabawa, J. (2019). Bankowość ekologiczna w społecznej odpowiedzialności biznesu: rola, uwarunkowania i mierniki. Polska: Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu.</td></tr><tr><td>Supplementary literature</td><td>Zielone finanse w Polsce 2024. (2024). Polska: Instytut Odpowiedzialnych Finansów.

Sustainable Finance and ESG: Risk, Management, Regulations, and Implications for Financial Institutions. (2023). Niemcy: Springer International Publishing.</td></tr><tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr></table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>Evaluate how the company implements ESG principles and the impact of this on its financial performance and market image.

Search for and compare at least three green bond issues (Green Bonds) from different countries or institutions. Analyze their issuance objectives, financing structure, and risk level.

Create a sample investment portfolio consisting of five assets (stocks, funds, bonds) selected based on a high ESG rating. Justify your selection, present the expected benefits and risks, and explain how the portfolio aligns with socially responsible investment strategy.</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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