University of Gdańsk

Subject card

Subject name and code	Green Technology and Investment Strategies, PG_00177833						
Field of study	Management						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2027/2028			
Education level	Master's studies		Subject group	Obligatory subject group in the field of study 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	3		ECTS credits	4.0			
Learning profile	academic		Assessment form	credit			
Conducting unit	Department of Investment and Real Estate -> Faculty of Management -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Aleksandra Koszarek-Cyra				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	15.0	0.0	0.0	0.0	45
	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	45		3.0	52.0	100	
Subject objectives	The objective of the course is to deepen students knowledge of contemporary sustainable investment trends and to demonstrate the interconnections between investing and climate regulations, the circular economy, social responsibility, and the energy transition.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[ZARZMU2_U02] The student can identify complex issues related to the organization's operations, the processes within it, and its relationships with a changing environment, proposing appropriate and innovative solutions.	The student interprets socio-economic phenomena occurring in the investment environment and assesses their significance for financial and strategic decision-making from the perspective of ESG and sustainable development.	[SU2] presentation/project/paper/ report
[ZARZMU2_U01] Students can analyze and creatively interpret complex social and economic processes in business decision-making. They use structured knowledge and tools from management, quality sciences, economics, and finance.	The student diagnoses problems related to the adaptation of organizations to the principles of sustainable development, analyses their causes, and designs appropriate, including innovative, strategic solutions in the areas of ESG and the circular economy.	[SU2] presentation/project/paper/ report
[ZARZMU2_W03] The student possesses a deep understanding of the relationship between the organization and its stakeholders. They are also aware of the complex phenomena and processes that occur in the organization's environment, including their variability and impact on the organization's functioning.	The student knows, understands, and is able to explain how complex and dynamic socio-economic phenomena influence the functioning of organizations and their investment decisions in the context of implementing sustainable development strategies (ESG, the circular economy, renewable energy sources).	[SW2] presentation/project/paper/ report
[ZARZMU2_W06] The student possesses a thorough understanding of the principles of rational decision-making related to individual resources, functional areas within the organization, processes, and management levels. This understanding is based on a well-structured and theory-supported foundation in management, quality sciences, economics, and finance.	The student identifies and explains the principles of rational decision-making in the management of resources and functional areas of an organization in the context of implementing ESG strategies and the energy transition, applying economic and management knowledge.	[SW2] presentation/project/paper/ report

Subject contents

1. Concept Map: ESG, SRI, CE, Renewable Energy Sources (RES), Impact Investing
2. Regulatory Frameworks in the EU and Globally
3. Circular Economy (CE) Concepts and Applications
4. Investing in Renewable Energy Sources and Smart Grids
5. Green Building and Certification of Green Buildings
6. SRI Socially Responsible Investing
7. Sustainable Development in the Financial Sector

Prerequisites and co-requisites

Basic knowledge of investments

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Project – Multimedia Assignment: Short Educational Video or Educational Campaign	51.0%	100.0%

Recommended reading

Basic literature	1. United Nations Global Compact Poland. (2023). Zielone finanse w Polsce 2023. Warszawa: UNGC. 2. Fundacja EF Congress. (2020). Zielone obligacje w Polsce przewodnik dla emitenta. Warszawa. 3. Wardyński i Wspólnicy. (2024). ESG w pigułce prawne wyzwania zrównoważonego rozwoju. Warszawa
Supplementary literature	(1) Szczepaniak, K., & Wojewnik-Filipkowska, A. (Eds.). (2014). Inwestycje i nieruchomości w warunkach zrównoważonego rozwoju: wybrane problemy. Sopot: Wydział Zarządzania Uniwersytetu Gdańskiego. (2) Postuła, M., Chmielewska, A., Cieślik, R., & Lipski, M. (2023). Projekty inwestycyjne: jak nie wpaść w pułapkę (nie)zrównoważonego rozwoju. Warszawa: Difin.
eResources addresses	

Example issues/ example questions/ tasks being completed

Greenwashing and Corporate Responsibility
ESG in Real Estate
New Technologies and Sustainable Investing
The Circular Economy in Corporate Strategies Analysis of Companies Implementing CE

Work placement

Not applicable

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