GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	MACROECONOMIC ASPECTS OF SUSTAINABLE DEVELOPMENT, PG_00070609		
Field of study	Economics		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2028/2029
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	3	Language of instruction	Polish
Semester of study	5	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Economic -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Adam Marszk	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	15.0	0.0	0.0	0.0	30

E-learning hours included: 0.0

eNauczanie source address: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=39468

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	30	3.0	42.0	75

Subject objectives

preparing students to analyse and interpret the macroeconomic determinants of sustainable development, based on knowledge of reliable sources of information and the dilemmas of the contemporary economy, as well as shaping attitudes of responsibility and intellectual autonomy in the context of evaluating economic processes under conditions of volatility and uncertainty

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_W03] is familiar with reliable sources of information and employs advanced knowledge to explain the fundamental dilemmas of the contemporary economy	knows and understands reliable sources of information and applies advanced knowledge concerning the dilemmas of the contemporary economy in the context of analysing the macroeconomic aspects of sustainable development	[SW3] Assessment of knowledge contained in written work and projects
[K6_U02] communicates effectively with others by preparing presentations that use terminology specific to the field of economics, and by evaluating diverse opinions during discussions and debates.	is able to develop logical solutions to complex macroeconomic problems by applying methods and techniques for analysing indicators related to sustainable development under conditions of volatility and environmental uncertainty	[SU3] Assessment of ability to use knowledge gained from the subject
[K6_K01] is ready to fulfill professional roles responsibly, taking legal, ethical, and cultural aspects into account in decision-making processes.	is ready to perform a professional role responsibly in the field of macroeconomic analyses related to sustainable development, taking into account legal, ethical, and cultural considerations in economic policy decision-making and the long-term consequences of public decisions	[SK2] Assessment of progress of work

Subject contents	Course content – lecture 1. Sustainable development - introductory issues. 2. Basic international agreements on sustainable development - part 1. 3. Basic international agreements on sustainable development - part 2. 4. European sustainable development initiatives - part 1. 5. European sustainable development initiatives - part 2. 6. Methods of assessing the impact of sustainable development on economic and social indicators. 7. Sustainable finance - definition and categories. 8. International sustainable development issues. 9. Degrowth: concepts and controversies. 10. Ethical issues related to sustainable development. Course content – exercises 1. Sustainable development - introductory issues. 2. Sources of data on sustainable development - global databases. 3. Sources of data on sustainable development - European databases. 4. Sources of data on sustainable development - national databases. 5. Methods of assessing the impact of sustainable development on economic and social indicators. 6. Sustainable development impact assessment - examples of analyzes. 7. Assessment of the impact of the sustainable finance sector on the economic and social situation. 8. Sustainable investing. 9. International sustainable development issues. 10. Ethical issues related to sustainable development.
Prerequisites and co-requisites	completion of macroeconomics course
Assessment methods and criteria	

Subject passing criteria	Passing threshold	Percentage of the final grade
individual case studies and discussions	0.0%	10.0%
written final exams with problem-based tasks in the field of multidimensional assessment of economic and social processes	60.0%	40.0%
team analysis of case studies concerning the impact of sustainable development on economic, social, and environmental indicators	60.0%	50.0%

Recommended reading	Basic literature	1. Baker, S. (2016). Sustainable Development. Routledge. 2. Hebb, T., Hawley, J. P., Hoepner, A. G., Neher, A. L., Wood, D. (red.). (2016). The Routledge Handbook of Responsible Investment. Routledge 3. Mulligan, M. (2018). An Introduction to Sustainability: Environmental, Social and Personal Perspectives. Routledge. 4. Schoenmaker, D., Schramade, W. (2019). Principles of sustainable finance. Oxford University Press.
	Supplementary literature	1. Elliott, J. (2013). An Introduction to Sustainable Development. Routledge 2. Rogers, P. P., Jalal, K. F., Boyd, J. A. (2008). An Introduction to Sustainable Development. Routledge
	eResources addresses	
Example issues/ example questions/ tasks being completed	• Perform an analysis of the sustainability indicators for country X. • Compare the impact of sustainable development on the financial system in the two countries.	
Practical activites within the subject	Not applicable	

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