

Subject card

Subject name and code	Climate Changes, PG_00177604						
Field of study	Economics, International Economic Relations						
Date of commencement of studies	October 2023		Academic year of realisation of subject			2025/2026	
Education level	Bachelor's studies		Subject group			Obligatory subject group in the field of study Optional subject group	
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			2.0	
Learning profile	academic		Assessment form			credit	
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Maria Matusiewicz				
	Teachers		dr Maria Matusiewicz				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	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	30		0.0		0.0	30
Subject objectives	The aim of the course is to familiarize students with the causes, mechanisms and effects of climate change in economic, social and institutional terms. Students analyze the relationships between human activity and environmental processes and learn to assess the impact of climate policies on international development, the functioning of enterprises and economic structures. The course shapes an interdisciplinary and critical approach to the issue of climate change, taking into account global, regional, sectoral and individual aspects.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[MSG3_U16] can plan and implement his/her own lifelong learning, expand and improve his/her acquired knowledge and economic skills; is open to new ideas and techniques; is willing to learn using any method, and has a tendency to interact with other participants of the learning process	The student independently develops their knowledge of climate change, remaining open to new sources and learning methods.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task
	[MSG3_K05] correctly identifies, diagnoses and solves dilemmas and various options of solutions related to the profession	The student is able to identify and solve professional dilemmas related to responsibility in the face of climate challenges.	[SK3] text preparation/written work [SK4] test/exam - oral or written [SK5] implementation of a problem task
	[EKONL3_K05] correctly identifies, diagnoses and resolves professional dilemmas and different options for solutions	The student knows the basic principles of how the economy and public institutions function in the context of climate transformation and environmental policy.	[SK3] text preparation/written work [SK4] test/exam - oral or written [SK5] implementation of a problem task
	[MSG3_W02] has an advanced knowledge and understanding of the terminology of international economic relations and complementary disciplines	The student uses advanced terminology related to climate change and its economic implications in international relations.	[SW4] test/exam - oral or written [SW3] text preparation/written work [SW5] implementation of a problem task
	[MSG3_U03] can identify and analyse relations between economic entities and public institutions in the national and international environment; using the acquired theoretical knowledge can critically evaluate these relations and indicate directions for their further development or changes	The student identifies relationships between economic institutions and climate policy actors and proposes directions for their development.	[SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU5] implementation of a problem task
	[EKONL3_U06] uses the knowledge acquired in economics, finance and management to solve economic and social dilemmas arising in the professional context	The student uses economic and environmental knowledge to resolve climate-related dilemmas in social and professional contexts.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task
	[MSG3_U09] can communicate in an international and culturally diverse environment, using the terminology of international economic relations (in connection with the chosen speciality within the field of International Economic Relations)	The student communicates effectively in a culturally diverse international environment on global climate challenges.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task
	[MSG3_U14] can interact and work in a team (including an international one), taking various roles within it	The student works effectively in a team, including international teams, analyzing climate change issues from multiple perspectives.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task
	[EKONL3_U15] is able to independently complement and improve the acquired knowledge and economic skills, is open to new ideas and techniques, tends to learn by any method and is willing to interact with other participants in the learning process	The student independently develops his/her knowledge of climate change, remaining open to new sources and methods of learning.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task
	[EKONL3_W04] knows the types of economic and social ties and the regularities governing them	The student knows and understands social and economic relations that influence the course and consequences of climate change.	[SW4] test/exam - oral or written [SW3] text preparation/written work [SW5] implementation of a problem task
	[EKONL3_U03] is able to analyse the causes and course of specific economic and social processes and phenomena, and accurately analyse these phenomena using adequate methods and tools economic and social	The student analyzes the course of climate phenomena and their effects on the economy and society, using methods appropriate to economic sciences.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task
	[EKONL3_W03] has advanced knowledge of the relations between economic agents and social organisations operating in the national, international and intercultural arenas	The student understands the importance of international and cross-sector cooperation in addressing climate change.	[SW4] test/exam - oral or written [SW3] text preparation/written work [SW5] implementation of a problem task

Course outcome	Subject outcome	Method of verification
[MSG3_W12] has a well-organised knowledge of the nature, functioning and sources of changes occurring in the structures of economic entities and organisations (in particular those which operate on the international market); understands the causes, course, scale and consequences of these changes	The student understands how climate change affects the organizational structures and strategies of economic entities.	[SW4] test/exam - oral or written [SW3] text preparation/written work [SW5] implementation of a problem task
[EKONL3_W05] has advanced knowledge of man as a subject who creates social structures and the principles of their functioning and of his action in these structures, knows well the motives of human economic decision-making	The student understands the role of the individual as a participant in economic processes affecting the environment and climate.	[SW4] test/exam - oral or written [SW3] text preparation/written work [SW5] implementation of a problem task
[EKONL3_U08] has the ability to observe, understand and analyse economic and social phenomena and processes using appropriate scientific methods	The student observes and analyzes climate processes from a socio-economic perspective, using appropriate scientific methods.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task
[EKONL3_U13] be able to interact and work in a group (including an international one), assuming various roles within it	The student works effectively in a team, including an international one, analysing climate change issues from different perspectives.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task
[EKONL3_U04] can predict and forecast the course of economic and social processes and phenomena	The student forecasts economic changes resulting from climate policies and environmental phenomena.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task
[EKONL3_K06] is willing to be guided in his professional life by business ethics and corporate social responsibility, to respect others and to be loyal to his employer	The student acts in professional life according to the principles of social responsibility and ethics, taking into account the impact of their activity on the climate.	[SK2] presentation/project/paper/report [SK4] test/exam - oral or written [SK5] implementation of a problem task
[MSG3_W08] knows and understands the fundamental dilemmas of contemporary civilisation, including the strategy of sustainable development and corporate social responsibility	The student recognizes the fundamental dilemmas of contemporary civilization resulting from the climate crisis and the need for sustainable development.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report [SW3] text preparation/written work
[MSG3_U04] uses the acquired theoretical knowledge in economics to analyse and evaluate the operation of economic entities on the international market, with particular emphasis on the European Union market	The student understands the role of the individual as a participant in economic processes that affect the environment and climate.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task
[MSG3_W09] has knowledge about a human being as an individual making economic decisions, acting within social structures and organisational units (in particular enterprises) or conducting individual economic activity	The student understands the role of the individual as a participant in economic processes that affect the environment and climate.	[SW4] test/exam - oral or written [SW3] text preparation/written work [SW5] implementation of a problem task
[EKONL3_W01] has advanced knowledge of the nature of social sciences, their place in the system of sciences, knows the role of economic sciences in this system and uses universal economic terminology	The student understands the role of economic sciences in analyzing climate and social phenomena.	[SW4] test/exam - oral or written [SW3] text preparation/written work [SW5] implementation of a problem task
[EKONL3_W07] has knowledge of the basic economic and financial principles of the functioning and management of economic entities and organisations as well as the legal, organisational, moral and ethical norms and rules governing the functioning of public institutions	The student knows the basic principles of how the economy and public institutions function in the context of climate transformation and environmental policy.	[SW4] test/exam - oral or written [SW3] text preparation/written work [SW5] implementation of a problem task

	Course outcome	Subject outcome	Method of verification
	[MSG3_W07] knows and understands types of economic ties and regularities governing them, including the principles of functioning of the market and the market mechanism, both in the national and international aspect	The student understands market mechanisms and economic relations that determine the effects of climate change on domestic and international market	[SW4] test/exam - oral or written [SW3] text preparation/written work [SW5] implementation of a problem task
	[MSG3_U01] can correctly interpret and explain economic and social phenomena, analyse their causes, course and connections between these phenomena using the acquired knowledge of economics, finance and international economic relations	The student analyzes climate phenomena as part of economic and social processes, interpreting their interconnections.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task
	[MSG3_K03] participates in the preparation of economic and social projects; can reconcile legal, economic, ecological, political and social requirements	The student participates in socio-economic projects that take into account legal, ecological, and economic aspects related to climate.	[SK3] text preparation/written work [SK4] test/exam - oral or written [SK5] implementation of a problem task
	[MSG3_U10] can take an active part in a debate, presenting his/her own viewpoint and supporting it with argumentation based on selected theories, opinions of various authors and/or statistical data	The student presents positions on climate policy based on scientific argumentation and data.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task
	[EKONL3_U01] can correctly interpret economic and social phenomena and apply knowledge of economics, finance and management sciences to explain economic phenomena	The student interprets the effects of climate change as socio-economic phenomena, using economic tools.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task
	[MSG3_W03] has an advanced and structured knowledge of the world economy and international economic relations; understands the process of their evolution, including its causes and consequences	The student has structured knowledge of the evolution of the global economy in the context of climate change.	[SW4] test/exam - oral or written [SW3] text preparation/written work [SW5] implementation of a problem task
	[MSG3_U02] can assess economic and social phenomena occurring in an open economy, interpret necessary statistical data and economic indicators, as well as forecast economic phenomena and processes, using standard methods and tools applied in economic sciences	The student evaluates data and projections on the impact of climate change on the open economy and global markets.	[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task

Subject contents	Scientific basis of climate change natural and anthropogenic mechanisms IPCC and scientific consensus climate data and their interpretation economic impacts of climate change impact on economic sectors (agriculture, transport, energy, buildings, ICT) costs of inaction and adaptation economic models for estimating climate risk Climate policies and transition management Paris Agreement, Green Deal, Fit for 55 role of states, cities and international organizations just transition and societal resilience Climate change and economic and sectoral risks physical and transition risks for companies sectoral vulnerability: heavy industry, food production, logistics, finance climate management in companies and supply chains Financing climate action green bonds and funds role of banks, EU institutions, IMF, World Bank financing adaptation and mitigation Impact of everyday decisions and lifestyle on climate consumption, transport, diet, energy use carbon footprint of an individual and household the role of climate education and social campaigns Social aspects of climate change climate migration inequality and global responsibility climate and individual and social well-being		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	completing tasks during the semester	51.0%	40.0%
	exam (open and test questions)	51.0%	60.0%
Recommended reading	Basic literature	Intergovernmental Panel on Climate Change (IPCC) <i>Climate Change 2023: Synthesis Report</i> Oficjalny raport IPCC, dostępny na: https://www.ipcc.ch	
	Supplementary literature	Mark Maslin <i>Climate Change: A Very Short Introduction</i> , Oxford University Press, 2021 (wyd. 4)	
	eResources addresses		
Example issues/ example questions/ tasks being completed	1. What is the carbon budget and why is it ending? 2. Which sectors of the economy generate the most emissions and why? 3. What does it mean that our everyday choices from diet to travel have an impact on the climate? 4. How is the carbon footprint of a product and household calculated? 5. Is the Green Deal an opportunity or a threat to European competitiveness? 6. How does climate change affect the labor market and heavy industry? 7. How are companies implementing a zero-emission strategy? 8. What does it mean for the climate transition to be fair? 9. What are the challenges of financing adaptation in developing countries? Doubts will be discussed during consultation hours.		
Work placement	Not applicable		

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