University of Gdańsk

Subject card

Subject name and code	Innovation in World Economy, PG_00199063						
Field of study	Economics						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2028/2029		
Education level	Bachelor'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	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 inż. Tomasz Laskowicz				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	0.0	0.0	15
	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	15		0.0		35.0	50
Subject objectives	Understanding the role of innovation in shaping the competitiveness of national economies						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONL3_U06] uses the knowledge acquired in economics, finance and management to solve economic and social dilemmas arising in the professional context	The student will be prepared to work in They will be able to distinguish between positive and negative innovation activities. will be able to distinguish between positive and negative innovative actions. The student will be prepared to work in decision-making teams within companies, public institutions or non-governmental organizations. Will be able to diagnose dilemmas and various options of solutions related to the functioning of markets and international institutions	[SU4] test/exam - oral or written
	[EKONL3_U01] can correctly interpret economic and social phenomena and apply knowledge of economics, finance and management sciences to explain economic phenomena	Will deepen the ability to interpret statistical data, regarding various aspects of innovation and competitiveness, such as expenditures on R&D expenditures, trade structure, productivity levels, etc. It will acquire the ability to assess the dynamics of events taking place in the world economy, in individual economies, economic sectors, in industry, services, direct investment.	[SU4] test/exam - oral or written
	[EKONL3_K01] recognises the importance of economic knowledge in identifying and solving economic problems and of consulting experts when difficulties in solving them independently	Student will learn the methods and tools of economics, including techniques for obtaining statistical data on trade, investment, economic structures and financial markets from various sources and documents. The student will learn reliable sources of knowledge, capable of completing the level of knowledge in the field of economic problems, the understanding of which exceeds the competence of the student.	[SK4] test/exam - oral or written
	[EKONL3_W02] has an advanced knowledge of the different types of existing business entities and organisations and public institutions	He will receive knowledge of the structure of the world economy, changes in this structure associated with waves of innovation and waves of industrialization, the causes, course, scale and effects of transformation processes in the world economy.	[SW4] test/exam - oral or written
	[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	He will learn the mechanism of the emergence of new markets and new sources of raw materials, as well as new forms of organization of economic life under the conditions of globalization and the relationship between these transactions in the historical process	[SW4] test/exam - oral or written
	[EKONL3_K02] is aware of the level of knowledge in the field of economics and understands the need to deepen and update this knowledge throughout life	He will have the ability to critically evaluate the changes taking place in the world economy, using methods of comparative analysis, benchmarking and economic modeling. He will understand the need for continuing education in the interpretation of economic problems and the need to constantly update the level of knowledge, due to the dynamics of economic change, occurring, among other things, as a result of technological development.	[SK4] test/exam - oral or written

Course outcome	Subject outcome	Method of verification
[EKONL3_W03] knows the relations between economic agents and social organisations operating in the national, international and intercultural arenas	Knows the role and understands the importance of domestic and foreign actors influencing the functioning of the economy. Understands the importance of the central bank and the government in shaping monetary and fiscal policy and how these factors affect the conditions for the development of an innovative economy.	[SW4] test/exam - oral or written
[EKONL3_U15] is able to independently supplement and improve his acquired knowledge and skills in the field of economics, is open to new concepts and solutions, and demonstrates a willingness to engage in lifelong learning and to cooperate and exchange knowledge with other participants in the learning process.	Students will acquire the ability to Use legal and moral norms to evaluate social and ethical responsibility of business in the conditions of globalization. He or she will learn about the sources of knowledge and possibilities of shaping attitudes towards economic changes. He or she will acquire new techniques for analyzing economic data and interpreting them for the purposes of corporate decision-making.	[SU4] test/exam - oral or written
[EKONL3_U13] be able to interact and work in a group (including an international one), assuming various roles within it	The student will acquire competencies regarding cooperation and working in a group in the form of organized simulations of debates held by members of international organizations. members of international organizations.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
[EKONL3_U02] is able to use the knowledge of theory and data to analyse concrete economic and social processes and phenomena and to analyse these phenomena using methods developed in economics, finance and management sciences	He will learn the methods and tools of economics, including techniques for obtaining statistical data on trade, investment, economic structures and financial markets from various sources and documents.	[SU4] test/exam - oral or written
[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	Will learn methods for analyzing the structure of employment, the geographical distribution of the diffusion of innovations and the characteristics of economic growth of countries with different levels of development. Will learn the importance of innovation and technology in maintaining the competitiveness of the economy and tools for tracking these indicators, for comparison and conclusions for decision-making and decision evaluation.	[SU4] test/exam - oral or written
[EKONL3_W05] has a 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	A preview of entrepreneurial motives and the pattern of decisions made by entrepreneurs in response to external economic factors and technological advances.	[SW4] test/exam - oral or written
[EKONL3_W04] knows the types of economic and social ties and the regularities governing them	Understands the mutual influence of national economies competing in the global market. Recognizes the importance of economic phenomena and cyclicality for the development of innovation.	[SW4] test/exam - oral or written
[EKONL3_W09] has an advanced knowledge of the evolution of theories describing economic entities and organisations as well as public institutions, and has an advanced knowledge of functional links within them	Understand the importance of Schumpeterian wave theory of innovation and the cyclical nature of economic development.	[SW4] test/exam - oral or written

Course outcome	Subject outcome	Method of verification
[EKONL3_W07] has an advanced knowledge of the 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	To learn about the international organizations shaping world trade, the scope of their responsibilities and their role in managing world trade.	[SW4] test/exam - oral or written
[EKONL3_W08] has an advanced knowledge of the processes of changing elements, enterprises and whole structures of economic organisations, as well as the processes of changing social institutions, knows what their causes, course, scale, consequences are and what the influence of external stakeholders is on them	Understand the importance of the chaotic and disruptive role of commercialization and diffusion of innovation for businesses and the economy as a whole.	[SW4] test/exam - oral or written

Subject contents

Preparation of a group project on selected topics and a case study analysis of individual elements involved in the development of selected sectors of an innovative economy. The project involves collecting and analysing sectoral data from selected databases and interpreting it in relation to key success indicators at the sectoral level and at the level of a selected enterprise.

1. Characteristics of the structure of the world economy - the main participants in world production and exchange. Structural changes in world production and trade in the world economy;

2.Technological, institutional and social innovations

3. New markets and new sources of raw materials (innovation waves, growing role of manufacturing and service sectors, emergence of new industries, new service sectors, new professions). New market structures

4. New sources of international specialization in product trade; comparative, locational and competitive advantages under conditions of new division of labor and multilateral liberalization of exchange

5. International service markets and global value chains, Trade in added value

6. New phenomena in international raw material markets. Price changes, raw materials as assets, role of commodity exchanges

7. Financial markets: money, currency and capital markets in the global economy. The role of central banks. New forms of monetary policy under globalization. Cooperation of central banks. Financial stability and systemic risk. Macroprudential policy - new concepts of regulation and supervision of markets.

8. Specific economic sectors and new industrial policy. The concept of creative sectors

9. New sources of economic growth, the role of new forms of capital and technological progress. Innovation vs.competitiveness of economies

Solving individual subject-related problems and supplementing knowledge on selected topics available during consultations.

Prerequisites and co-requisites	Knowledge of the basics of the functioning of the world economy, international economic relations economic relations, regional integration, including European integration. Ability to analyze statistical data, to search for information about the world economy in such sources as materials of the International Monetary Fund, WTO, UNCTAD, Eurostat.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Group project	51.0%	40.0%
Activity in class, participation in discussion	51.0%	10.0%
Written credit colloquium	51.0%	50.0%

Recommended reading

Basic literature	1.OECD, Science, Technology and Industry (report and Scoreboard) 20152.A. Zielinska-Głebocka, Współczesna gospodarka swiatowa, Wyd. Wolterrs Kluwer, Warszawa 20123.A. Zielinska-Głebocka, Dostosowania strukturalne gospodarek do globalizacji, C.H. beck, Warszawa 20164.Gospodarka swiatowa w warunkach globalizacji i regionalizacji rynków, red. S. Miklaszewski, E. Molendowski, Wyd. Difin,Warszawa 20095. A.Sławinski, Rynki finansowe, PWE, Warszawa 2006
Supplementary literature	1. Podrecznik OSLO. Zasady gromadzenia i interpretacji danych dotyczacych innowacji. Wydanie trzecie. Wspólna publikacja OECD i Eurostatu, Warszawa 2008, 2. OECD Trade in Value Added, www.oecd.org3. A. Budnikowski, Ekonomia miedzynarodowa, Warszawa 2016
eResources addresses	

Example issues/ example questions/ tasks being completed	
Work placement	Not applicable

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