

Subject card

Subject name and code	Economy Based on Knowledge, PG_00170020						
Field of study	Economics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
Education level	Bachelor's studies		Subject group		Obligatory subject group 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		2.0		
Learning profile	academic		Assessment form				
Conducting unit	Department of Macroeconomics -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Andrzej Poszewiecki				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	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		5.0		30.0	50
Subject objectives	The aim of the course is to show and discuss the most important features of modern economies based on knowledge and knowledge use.						

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 is able to distinguish different types of economies historically and geopolitically, and also indicates and analyzes the main differences in the economic development paths they adopt. Is able to use simple methods to analyze differences between economies in terms of the state of knowledge-based economy. It assesses the validity of the concepts of socio-economic development adopted in given countries.	[SU2] presentation/project/paper/report
	[EKONL3_U01] can correctly interpret economic and social phenomena and apply knowledge of economics, finance and management sciences to explain economic phenomena	The student is able to distinguish different types of economies historically and geopolitically, and also indicates and analyzes the main differences in the economic development paths they adopt. Is able to use simple methods to analyze differences between economies in terms of the state of knowledge-based economy. It assesses the validity of the concepts of socio-economic development adopted in given countries.	[SU2] presentation/project/paper/report
	[EKONL3_U12] can independently plan and implement own lifelong learning	The student is able to distinguish different types of economies historically and geopolitically, and also indicates and analyzes the main differences in the economic development paths they adopt. Is able to use simple methods to analyze differences between economies in terms of the state of knowledge-based economy. It assesses the validity of the concepts of socio-economic development adopted in given countries.	[SU2] presentation/project/paper/report
	[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 acquires the most up-to-date information and the most known research concepts regarding the essence of the knowledge-based economy (KOW). It defines the main levels on which a modern knowledge economy should be based, with particular emphasis on the Polish reality. Knows the most important methods of examining differences between areas in terms of KOW.	[SW2] 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	The student is able to distinguish different types of economies historically and geopolitically, and also indicates and analyzes the main differences in the economic development paths they adopt. Is able to use simple methods to analyze differences between economies in terms of the state of knowledge-based economy. It assesses the validity of the concepts of socio-economic development adopted in given countries.	[SU2] presentation/project/paper/report
	[EKONL3_W02] has advanced knowledge of the different types of existing business entities and organisations and public institutions	The student acquires the most up-to-date information and the most known research concepts regarding the essence of the knowledge-based economy (KOW). It defines the main levels on which a modern knowledge economy should be based, with particular emphasis on the Polish reality. Knows the most important methods of examining differences between areas in terms of KOW.	[SW2] presentation/project/paper/report

	Course outcome	Subject outcome	Method of verification
	[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 is able to distinguish different types of economies historically and geopolitically, and also indicates and analyzes the main differences in the economic development paths they adopt. Is able to use simple methods to analyze differences between economies in terms of the state of knowledge-based economy. It assesses the validity of the concepts of socio-economic development adopted in given countries.	[SU2] presentation/project/paper/report
	[EKONL3_U13] be able to interact and work in a group (including an international one), assuming various roles within it	The student is able to distinguish different types of economies historically and geopolitically, and also indicates and analyzes the main differences in the economic development paths they adopt. Is able to use simple methods to analyze differences between economies in terms of the state of knowledge-based economy. It assesses the validity of the concepts of socio-economic development adopted in given countries.	[SU2] presentation/project/paper/report
	[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	The student can access inside groups, discuss and define goals and working methods. It is a system that allows for the division of knowledge. It presents the joint effects of work. He is also responsible for the results of the work of other group members. Demonstrates creativity in the method of project preparation and presentation	[SK2] presentation/project/paper/report
	[EKONL3_K01] recognises the importance of economic knowledge in identifying and solving economic problems and of consulting experts when difficulties in solving them independently	The student acquires the ability to communicate within a group, discuss and jointly define goals and work methods. He is oriented towards cooperation and knowledge sharing. It publicly presents the effects of joint work. He is also responsible for the results of the work of other group members. Demonstrates creativity in the selection of project preparation and presentation methods.	[SK2] presentation/project/paper/report
	[EKONL3_W10] knows and understands the basic concepts and principles of industrial property, intellectual property and copyright law	The student acquires the most up-to-date information and the most known research concepts regarding the essence of the knowledge-based economy (KOW). It defines the main levels on which a modern knowledge economy should be based, with particular emphasis on the Polish reality. Knows the most important methods of examining differences between areas in terms of KOW.	[SW2] presentation/project/paper/report
	[EKONL3_W09] has advanced knowledge of the evolution of theories describing economic entities and organisations as well as public institutions, and is familiar with the functional links within them	The student acquires the most up-to-date information and the most known research concepts regarding the essence of the knowledge-based economy (KOW). It defines the main levels on which a modern knowledge economy should be based, with particular emphasis on the Polish reality. Knows the most important methods of examining differences between areas in terms of KOW.	[SW2] presentation/project/paper/report

	Course outcome	Subject outcome	Method of verification
	[EKONL3_W08] has 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	The student acquires the most up-to-date information and the most known research concepts regarding the essence of the knowledge-based economy (KOW). It defines the main levels on which a modern knowledge economy should be based, with particular emphasis on the Polish reality. Knows the most important methods of examining differences between areas in terms of KOW.	[SW2] presentation/project/paper/report
	[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 is able to distinguish different types of economies historically and geopolitically, and also indicates and analyzes the main differences in the economic development paths they adopt. Is able to use simple methods to analyze differences between economies in terms of the state of knowledge-based economy. It assesses the validity of the concepts of socio-economic development adopted in given countries.	[SU2] presentation/project/paper/report
	[EKONL3_W03] has advanced knowledge of the relations between economic agents and social organisations operating in the national, international and intercultural arenas	The student acquires the most up-to-date information and the most known research concepts regarding the essence of the knowledge-based economy (KOW). It defines the main levels on which a modern knowledge economy should be based, with particular emphasis on the Polish reality. Knows the most important methods of examining differences between areas in terms of KOW.	[SW2] presentation/project/paper/report
Subject contents	Knowledge and its socio-economic context- historical aspects of knowledge- socio-economic background of knowledge- functional division of knowledge Growth and economic development- differences in economic systems- path of evolution of economic growth models- the role of qualitative factors in the processes of socio-economic development The essence of the knowledge-based economy (KOW)- definition- KOW and the industrial economy- distinctive features of the KOW CBE measurement- European Union approach- OECD approach- World Bank approach Human capital- definition- measurement- accumulation- human capital and prosperity Information and communication technologies- definition- role in knowledge transfer processes Social capital- definition- measurement- human capital and social capital The concept of sequential dependencies- a person learning- learning organization- learning society The state of the KOW in Poland- Poland compared to other countries- Diversity of KBE in Poland Questions related to the topics covered in the course particularly those concerning the interpretation of the knowledge-based economy (KBE), measurement methods, or analysis of human and social capital may also be addressed during consultations.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Project	50.0%	100.0%

Recommended reading	Basic literature	1) D. Jemielniak, A. K. Koźmiński [red.]: Zarządzanie wiedzą, Wydawnictwa Akademickie i Profesjonalne, Warszawa 2008. 2) A. Kowalczyk, B. Nogalski: Zarządzanie wiedzą. Koncepcja i narzędzia, Difin, Warszawa 2007. 3) W. Bizon: Dobrobyt społeczno-ekonomiczny oraz gospodarka oparta na wiedzy w kontekście historycznych podziałów na Polskę A i Polskę B, "e-Mentor" nr 4/2011. 4) W. Bizon: Kraje Unii Europejskiej a gospodarka oparta na wiedzy. Do kogo Polakom najbliższe?, [w:] K. Mieszkowski, K. Piech [red.], Gospodarka oparta na wiedzy i innowacyjność przedsiębiorstw w Polsce - wybrane zagadnienia, Instytut Wiedzy i Innowacji, Warszawa 2011. 5) Bizon, W. (2019). <i>Wiedza i jej transfer z perspektywy współczesnej ekonomii: wykorzystanie instrumentarium ekonomii behawioralnej w edukacji ekonomicznej</i>. Wydawnictwo Uniwersytetu Gdańskiego.
	Supplementary literature	1) A. Jashapara: Zarządzanie wiedzą, Polskie Wydawnictwo Ekonomiczne, Warszawa 2006. 2) Zarządzanie wiedzą w społeczeństwie uczącym się, OECD, wyd. polskie: Ministerstwo Gospodarki - Departament Strategii Gospodarczej, 2000. 3) Drucker P. F.: Społeczeństwo pokapitalistyczne, Wydawnictwo Naukowe PWN, Warszawa 1999. 4) Du bien-être des nations. Le rôle du capital humain et social, Organisation de Coopération et de Développement Économiques (OCDE), Paris 2001 (wersja angielska: The Well-being of Nations. The Role of Human and Social Capital, OECD, Paris 2001). 5) Fukuyama F.: Zaufanie. Kapitał społeczny a droga do dobrobytu, Wydawnictwo Naukowe PWN, Warszawa-Wrocław 1997. 6) Gospodarka oparta na wiedzy. Wyzwanie dla Polski XXI wieku, Wydawnictwo Komitetu Badań Naukowych, Warszawa 2001. 7) Toffler A.: Trzecia fala, Państwowy Instytut Wydawniczy, Warszawa 1986.
	eResources addresses	
Example issues/ example questions/ tasks being completed	Analyze the KBE level in a chosen country using OECD or World Bank indicators. Assess the impact of human capital on regional development using a selected voivodeship. Design a KBE development strategy for a medium-sized city in Poland. Analyze the role of ICT in knowledge transfer within the higher education sector.	
Work placement	Not applicable	

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