



Subject card

Subject name and code	ECONOMIC GROWTH, PG_00049582						
Field of study	Management						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2023/2024		
Education level	second-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	2	Language of instruction			English		
Semester of study	3	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			exam		
Conducting unit	Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Joanna Wolszczak-Derlacz					
	Teachers	dr hab. Joanna Wolszczak-Derlacz					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	15.0	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		8.0		47.0	100
Subject objectives	Main aim of the subject is to present knowledge concerning growth models and process of real and nominal convergence and practical ability to conduct empirical research on the verification of growth models and real convergence with the use of real data.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K7_W02] has an in-depth knowledge of classical and modern management concepts and their application in the management of modern organizations of various types	Student knows the types and determinants of real convergence as the process in the integrated Europe. Student knows the social implication of the processes of real convergence and its consequences on the activity of a company/organization.			[SW1] Assessment of factual knowledge		
	[K7_U02] analyses complex economic processes and phenomena using selected methods and techniques for analysing socio-economic data, and formulates their own opinions and conclusions concerning these processes and phenomena	Student has the ability to analyze and interpret the data from the sources expressed in English, and is able to conduct the analysis of the convergence processes.			[SU4] Assessment of ability to use methods and tools		
Subject contents	<p>Lectures:How to measure growth and real/nominal convergence. Sigma and beta convergence. Polarisation of development in the world, History of economic growth and convergence process. Models of economic growth - introduction. Solow growth model. Growth models - extensions and endogenous factors of growth and convergence (Mankiew-Romer-Weil, AK, learning by doing, Lucas model, Barro model). Empirical studies on real convergence. Price convergence.</p> <p>Computer labs: practical analysis of topics discussed during the lectures, the use of real statistical data.. Introduction to databases. Measures of growth. Mathematical and statistical measures of convergence. Real convergence - empirical analysis. Growth models. Role of endogeneous factors of growth in the convergence process.</p>						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Written test with the use of computers	60.0%	50.0%
	Written or oral test	60.0%	50.0%
Recommended reading	Basic literature	Aghion P., Howitt P. (2009) <i>The Economics of Growth</i> , MIT Press Jones Ch.I., (2020), <i>Introduction to Economic Growth</i> , W.W. Norton & Company Weil D., <i>Economic Growth</i> , (2014) Pearson International Edition Wolszczak-Derlacz J. <i>Convergence or divergence in the European Union (2007) in: Selected economic problems (ed.) Gawrycka M., Technical University of Gdańsk.</i>	
	Supplementary literature	Acemoglu D. (2009) <i>Introduction to Modern Economic Growth</i> , Princeton University Press Barro R. (1990), <i>Government Spending in a Simple Model of Endogenous Growth. Journal of Political Economy</i> vol.98, no.5, 103-126 Barro R.J., Xavier Sala-i-Martin (2003) <i>Economic Growth: 2nd Edition</i> , MIT Press Romer P. (1990) <i>Endogenous Technological Change, Journal of Political Economy</i> vol 98 no 5: s.71-102	
	eResources addresses	Adresy na platformie eNauczanie: Economic growth_winter2023_2024 - Moodle ID: 31313 https://enauzanie.pg.edu.pl/moodle/course/view.php?id=31313	
Example issues/ example questions/ tasks being completed	What are the endogenous factors of growth? Explain the Solow diagram Define the differences between absolute and nominal convergence. With the use of statistical data, conduct the empirical analysis to estimate the basic determinants of growth and to test the conditional convergence		
Work placement	Not applicable		