



Subject card

Subject name and code	ECONOMIC GROWTH, PG_00049582						
Field of study	Management						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2022/2023		
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	Department of Economic Sciences -> 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						
Economic growth_winter2022_2023 - Moodle ID: 23767 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=23767							
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_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		
[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			

Subject contents	<p>Lectures:</p> <p>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.</p> <p>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	<table border="1"> <thead> <tr> <th data-bbox="456 607 794 636">Subject passing criteria</th> <th data-bbox="799 607 1137 636">Passing threshold</th> <th data-bbox="1142 607 1481 636">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 642 794 692">Written test with the use of computers</td> <td data-bbox="799 642 1137 692">60.0%</td> <td data-bbox="1142 642 1481 692">50.0%</td> </tr> <tr> <td data-bbox="456 698 794 728">Written or oral test</td> <td data-bbox="799 698 1137 728">60.0%</td> <td data-bbox="1142 698 1481 728">50.0%</td> </tr> </tbody> </table>			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%
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Recommended reading	Basic literature	<p>Aghion P., Howitt P. (2009) <i>The Economics of Growth</i>, MIT Press</p> <p>Jones Ch.I., (2020), <i>Introduction to Economic Growth</i>, W.W. Norton & Company</p> <p>Weil D., <i>Economic Growth</i>, (2014) Pearson International Edition</p> <p>Wolszczak-Derlacz J. Convergence or divergence in the European Union (2007) in: <i>Selected economic problems</i> (ed.) Gawrycka M., Technical University of Gdańsk.</p>										
	Supplementary literature	<p>Acemoglu D. (2009) <i>Introduction to Modern Economic Growth</i>, Princeton University Press</p> <p>Barro R. (1990), Government Spending in a Simple Model of Endogenous Growth. <i>Journal of Political Economy</i> vol.98, no.5, 103-126</p> <p>Barro R.J., Xavier Sala-i-Martin (2003) <i>Economic Growth: 2nd Edition</i>, MIT Press</p> <p>Romer P. (1990) Endogenous Technological Change, <i>Journal of Political Economy</i> vol 98 no 5: s.71-102</p>										
	eResources addresses											
Example issues/ example questions/ tasks being completed	<p>What are the endogenous factors of growth?</p> <p>Explain the Solow diagram</p> <p>Define the differences between absolute and nominal convergence.</p> <p>With the use of statistical data, conduct the empirical analysis to estimate the basic determinants of growth and to test the conditional convergence</p>											
Work placement	Not applicable											