



Subject card

Subject name and code	ECONOMIC GROWTH, PG_00061124						
Field of study	Management						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2024/2025		
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	Katedra Ekonomii -> 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		6.0		49.0	100
Subject objectives	Applies the most important models of the growth and convergence theory as well as computational methods used in empirical verification of these models						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_W02] explains the meaning and interdependence of the key components describing economic processes, using in-depth knowledge consistent with the main trends in the development of scientific disciplines related to the field of study		identifies phenomena related to the theory of growth and convergence based on known theories and possible analytical methods		[SW1] Assessment of factual knowledge		
[K7_U02] presents logical and solid arguments about the obtained results, by analyzing and synthesizing information in various business contexts, approaching their interpretation critically		prepares and presents the results of analyzes in a convincing manner, along with their in-depth interpretation		[SU5] Assessment of ability to present the results of task			

Subject contents	<p>LECTURE</p> <p>How to measure economic growth and convergence? Sigma and beta convergence Polarization of development in the world and in Europe History of economic growth and real convergence processes Models of economic growth introduction Solow growth model (Cobb-Douglas production function, Solow diagram, Solow decomposition) Extensions of growth models: Mankiw, Romer, Weil (MRW) Model, AK Model, Learning by doing, Endogenous Growth Factors: Human Capital (Lucas Model), Technology, Government Sector (Barro Model), Role of Institutions and Social Capital International trade Empirical research on convergence Price convergence - case study</p> <p>LABORATORY</p> <p>Practical analyzes of topics covered in lectures using real source data Introduction to databases Development measures Mathematical and statistical measures of convergence Analysis of real convergence processes Growth models The role of technological progress, human capital, institutions, trade, geographical factors, etc. in real convergence processes</p>											
Prerequisites and co-requisites												
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="456 680 794 703">Subject passing criteria</th> <th data-bbox="799 680 1137 703">Passing threshold</th> <th data-bbox="1142 680 1481 703">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 710 794 732">Exam</td> <td data-bbox="799 710 1137 732">60.0%</td> <td data-bbox="1142 710 1481 732">60.0%</td> </tr> <tr> <td data-bbox="456 739 794 761">Computer test during the semester</td> <td data-bbox="799 739 1137 761">60.0%</td> <td data-bbox="1142 739 1481 761">40.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Exam	60.0%	60.0%	Computer test during the semester	60.0%	40.0%
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Exam	60.0%	60.0%										
Computer test during the semester	60.0%	40.0%										
Recommended reading	Basic literature	Aghion P., Howitt P. (2009) The Economics of Growth, MIT Press Jones Ch.I., (2020), Introduction to Economic Growth, W.W. Norton & Company Weil D., Economic Growth, (2014) Pearson International Edition Wolszczak-Derlacz J. Convergence or divergence in the European Union (2007) in: Selected economic problems (ed.) Gawrycka M., Technical University of Gdańsk										
	Supplementary literature	Acemoglu D. (2009) Introduction to Modern Economic Growth, Princeton University Press Barro R. (1990), Government Spending in a Simple Model of Endogenous Growth. Journal of Political Economy vol.98, no.5, 103-126 Barro R.J., Xavier Sala-i-Martin (2003) Economic Growth: 2nd Edition, MIT Press Romer P. (1990) Endogenous Technological Change, Journal of Political Economy vol 98 no 5: s. 71-102										
	eResources addresses	Adresy na platformie eNauczanie:										
Example issues/ example questions/ tasks being completed	What are endogenous growth factors? Explain the Solow diagram Define the differences between absolute and conditional convergence Using statistical data and an Excel spreadsheet, conduct an empirical analysis regarding the determinants of economic growth and/or conditional convergence											
Work placement	Not applicable											