



Subject card

Subject name and code	ECONOMIC GROWTH AND CONVERGENCE THEORIES, PG_00060698						
Field of study	Economic Analytics						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2023/2024		
Education level	second-cycle studies	Subject group			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			e-learning		
Year of study	1	Language of instruction			Polish		
Semester of study	2	ECTS credits			3.0		
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		Pawel Kliber				
	Teachers		Pawel Kliber				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	30.0	0.0	0.0	45
	E-learning hours included: 45.0						
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		24.0	75
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_U04] prepares and presents convincing, professional presentations of analysis results, with their in-depth interpretation		prepares and presents the results of analyzes in a convincing manner, along with their in-depth interpretation		[SU3] Assessment of ability to use knowledge gained from the subject		
	[K7_W01] identifies in-depth the phenomena related to the field of study and the theories describing them and possible analytical methods		identifies phenomena related to the theory of growth and convergence based on known theories and possible analytical methods		[SW1] Assessment of factual knowledge		
Subject contents	Stylized facts about economic growth Production function and its properties Solow growth model Convergence in the Solow model Endogenous growth models The role of human capital Growth models with random disturbances						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Project		0.0%		40.0%		
	Exam		60.0%		40.0%		
	test on computational methods		60.0%		20.0%		
Recommended reading	Basic literature		D. Romer, Makroekonomia dla zaawansowanych, PWN 2000				
	Supplementary literature		R.E. Lucas Jr., Wykłady z teorii wzrostu gospodarczego, C.H.Beck, 2010 D. Acemoglu, Introduction to Modern Economic Growth, Princeton University Press, 2009				

	eResources addresses	Adresy na platformie eNauczenie: Teorie wzrostu gospodarczego i konwergencji - stacjonarne, 2023/24 lato - Moodle ID: 37507 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37507
Example issues/ example questions/ tasks being completed	State the properties of the Cobb-Douglas production function Explain the Solow diagram Define the differences between absolute and conditional convergence Get data on production in economies and on growth factors. On their basis, conduct a convergence analysis of a group of economies Simulate a growth trajectory with random shocks in production	
Work placement	Not applicable	