



Subject card

Subject name and code	THEORY OF ECONOMIC GROWTH AND CONVERGENCE, PG_00037100						
Field of study	Economic Analytics						
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		Polish		
Semester of study	4		ECTS credits		3.0		
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						
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	15.0	0.0	0.0	30
	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	30		6.0		39.0	75
Subject objectives	Main aim of the subject is to present knowledge concerning growth models and process of convergence and practical ability to conduct empirical research on the verification of growth models.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_W15] has an in-depth knowledge of the processes taking place in the company and the risks associated with it		Student knows the different types of growth models and the conclusions derived from them.		[SW1] Assessment of factual knowledge		
	[K7_U03] can identify and analyse the causes and course of specific economic processes and phenomena as well as propose solutions based on them		Student has the ability to analyze and interpret the data in order to conduct the empirical verification of growth models.		[SU4] Assessment of ability to use methods and tools		
Subject contents	Stylized facts about economic growth and developemnt. Production function and its characteristics. Solow growth model. Convergence in Solow growth model. Endogenous growth models. The role of human capital. The growth models with random disruptions.						
Prerequisites and co-requisites	Microeconomics, Macroeconomics						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Test checking the calculation skills		60.0%		50.0%		
	Final test		60.0%		50.0%		
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 eNauczanie:
Example issues/ example questions/ tasks being completed	<p>List the characteristics of Cobb-Douglas production fuunction.</p> <p>Show and explain the diagram of Solow model.</p> <p>Find, upload the data considering the production across diferrent countries and based on them conduct the analysis of convergence.</p> <p>Conduct a growth trajectory simulation with random shocks in production.</p>	
Work placement	Not applicable	