

Subject card

Subject name and code	Macroeconomics, PG_00206265						
Field of study	Informatics and Econometrics						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2026/2027		
Education level	Bachelor's 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		at the university		
Year of study	1		Language of instruction		Polish		
Semester of study	1		ECTS credits		5.0		
Learning profile	academic		Assessment form		exam		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Paweł Galiński				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	15.0	0.0	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		3.0		77.0	125
Subject objectives	The aim of the course is to equip the student with knowledge, skills and competences in the field of macroeconomics on the mechanisms of market functioning, investment, consumption, national income calculation and creation of economic growth in the conditions of the economic cycle and the ongoing processes of international exchange and globalization. The aim is also to learn the essence, principles and conditions of fiscal and monetary policy in the context of increasing employment, counteracting unemployment, inflation, supporting employment, economic growth and creating prosperity from the perspective of public authorities, economic entities and households.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[liEL3_U01] Can analyze and interpret social and economic processes and phenomena using knowledge and econometrics, informatics or statistics tools from management and quality sciences, economics and finance		The student is able to recognize the essence, scope and impact of socio-economic processes on macroeconomic conditions in the country and around the world and implement activities that contribute to achieving socio-economic goals		[SU4] test/exam - oral or written		
	[liEL3_U06] Can use and integrate knowledge of management and quality sciences, economics, and finance to resolve dilemmas and complex problems that arise in professional work		The student is able to verify knowledge of economics and finance for the purpose of solving complex problems in the process of conducting socio-economic policy aimed at economic growth, price stability and full use of production factors		[SU4] test/exam - oral or written		
	[liEL3_W01] Knows and understands to an advanced degree the nature and evolution of theories in management, quality sciences, economics, and finance, along with their place in the social sciences system —especially in applying informatics or statistics tools		The student explains the nature and evolution of theories in economics and finance and identifies their place and importance in the system of social sciences		[SW4] test/exam - oral or written		

Subject contents	1. Introduction to economics. Needs. Goods. Factors of production. Normative and positive approaches in economics. Rational management. Production possibilities curve. Opportunity cost. 2. Microeconomic and macroeconomic foundations of management. The market mechanism. The price system. Demand and supply. Elasticity. Objectives and tools of macroeconomics. The private and public sectors, consumption and investment. The role of public authorities in the economy. 3. National income accounting. The process of creating value added and final production. GDP, GNP, NNP, NI. Nominal and real values, the GDP deflator. 4. The business cycle, its nature, types, and phases. Economic growth and economic development. Assessment of economic conditions and their forecasts. 5. Consumption and investment. Keynesian equilibrium model. Assumptions of the multiplier model. Average and marginal propensity to save and consume. Aggregate demand and actual production. 6. The State Budget - Public Revenues and Expenditures. Budget Balance. Public Debt. 7. Budget (Fiscal) Policy - Tools, Objectives, and Effects. The Laffer Curve. Expansionary and Restrictive Budget Policy. The Impact of Fiscal Policy on GDP and Sustainable Development. 8. Money and the Money Market. The Origins of Money, Its Forms, and Functions. Money Creation. Demand for Money. Equilibrium in the Money Market. 9. The Central Bank and Monetary Policy. Measures of Money. Monetary Policy: Tools, Objectives, Types, and Results. Monetary Neutrality. A Common Currency. 10. Economic and Financial Crises - Types, Interconnections, and Impact on the Economy. 11. Employment. Unemployment - Types, Causes, Effects, and Methods of Combating It. Labor Market Theory. 12. Inflation - Concept, Essence, Measures, Causes, Effects, Theories, and Interconnections. Anti-Inflation Policy. 13. The Invisible Hand of the Market the Classical Model of Economic Operation. Conditions of the Classical Model. The Phillips Curve. 14. Open Economy and Globalization. The Foreign Exchange Market, Foreign Trade, and the Balance of Payments.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Assessment of exercises: colloquium	51.0%	40.0%
	Written test exam (lecture)	51.0%	60.0%
Recommended reading	Basic literature	Begg D., Fischer S., Dornbusch R., Ekonomia. Makroekonomia, PWE, Warszawa 2003 i nowsze. Samuelson P.A., Nordhaus W.D., Ekonomia. Tom 2, PWN, Warszawa 2004 i nowsze. Szczepaniec M., Makroekonomia. Przewodnik, Wyd. UG, Gdańsk 2014.	
	Supplementary literature	Mankiw, N. G., Taylor, M. P, Makroekonomia, PWE, Warszawa 2022.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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