

Subject card

Subject name and code	Applications of Econometrics, PG_00171333						
Field of study	Economics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	Master's studies		Subject group		Obligatory subject group in the field of study		
Mode of study	part-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		1.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Econometrics -> Faculty of Management -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Marta Chylińska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	10.0	0.0	0.0	0.0	10
	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	10		6.0		9.0	25
Subject objectives	.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONMU2_W06] knows statistical and econometric methods and tools for description and macro- and microeconomic modelling of economic structures and public institutions and processes occurring in them	.	[SW5] implementation of a problem task
	[EKONMU2_U03] can analyse causes and course of economic and social processes and phenomena, formulate his/her own opinions on the subject, construct research hypotheses, and select and apply methods of their verification	.	[SU5] implementation of a problem task
	[EKONMU2_U15] can independently expand and improve acquired knowledge and skills in economics; is open to new ideas and techniques; tends to learn using any accessible method and to interact with other participants of the learning process	.	[SU1] oral statement/conversation/discussion
	[EKONMU2_W03] has an in-depth knowledge of relations between economic phenomena, entities and organisations as well as public institutions functioning in the national, international and intercultural spheres	.	[SW1] oral statement/conversation/discussion
	[EKONMU2_U02] can use acquired knowledge to describe and analyse the causes and course of economic and social processes and phenomena, and can formulate his/her own opinions and critically select data and analysis methods based on the achievements of economic and social sciences	.	[SU5] implementation of a problem task
	[EKONMU2_U01] can creatively interpret and explain economic and social phenomena and relations between them, using acquired knowledge of economics, finance and management sciences	.	[SU6] demonstration of practical skills
	[EKONMU2_K02] is aware of the level of his/her knowledge in the field of economics; understands the need to extend and update this knowledge throughout his/her life	.	[SK1] oral statement/conversation/discussion
	[EKONMU2_U08] can independently analyse economic and social phenomena and processes, and can perform a theoretically deepened assessment of such phenomena, using appropriately selected research method	.	[SU5] implementation of a problem task
	[EKONMU2_U04] can forecast and model complex economic and social processes using quantitative and qualitative methods and tools developed by economic sciences (including statistics and econometrics)	.	[SU5] implementation of a problem task
	[EKONMU2_K01] recognises the importance of knowledge in the field of economics in the process of identifying and solving economic problems and of consulting experts when having difficulties in solving them independently	.	[SK1] oral statement/conversation/discussion

Subject contents	. 1. Introduction a review of the most important concepts and principles from the basics of econometrics. 2. The macroeconomic consumption function (both in cross-sectional and time-series approaches) using the example of the Polish economy and all European Union countries. Elements of the theory of dynamic econometric models. 3. Hedonic price model illustrated by the real estate market in the Tricity area. 4. The convergence hypothesis in the neoclassical growth model in cross-sectional and panel data approaches. Absolute and conditional convergence models for European Union countries and the global economy. Elements of panel data modeling theory. 5. Bankruptcy modeling and scoring models examples of logit and probit modeling. 6. Forecasting based on time series for annual and seasonal data using dummy (zero-one) variables. The student discusses any doubts from the classes during consultations with the course instructor.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	.	51.0%	10.0%
	.	51.0%	90.0%
Recommended reading	Basic literature	.	
	Supplementary literature	.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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