



## Subject card

Subject name and code	Basics of Economic Forecasting, PG_00037129						
Field of study	Economic Analytics						
Date of commencement of studies	October 2021		Academic year of realisation of subject		2022/2023		
Education level	first-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		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		4.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Aneta Sobiechowska-Ziegert				
	Teachers		dr Aneta Sobiechowska-Ziegert				
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: 0.0						
	Additional information: The course is conducted in the form of gamification.						
	Game website: <a href="https://asziegert1.wixsite.com/magowie2022">https://asziegert1.wixsite.com/magowie2022</a>						
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		7.0		48.0	100
Subject objectives	The aim of the course is to acquire skills in the selection of forecasting methods suitable to estimated phenomenon, as well as in the performing forecasts and their evaluation.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U04] Can forecast socio-economic processes and phenomena using methods and tools of quantitative and qualitative data analysis.		Student predicts economic phenomena and evaluates performed forecasts.		[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools		
	[K6_W11] Knows quantitative methods to describe and analyse socio-economic processes; understands their conditions and consequences.		Student defines issues related to forecasting and lists basic tools of prediction as well as steps of the forecasting process.		[SW1] Assessment of factual knowledge		
Subject contents	Basic concepts and issues concerning forecasting.Forecasts' quality assesment measures.Naive and adaptive forecasting methods - an introduction.Simple and weighted moving averages.Brown's and Holt's exponential smoothing.Winter's exponential smoothing.Heuristic methods and forecasting by analogy.Scenarios and warning forecasts.Forecasting selected elements of macro-environment of the enterprise.Forecasting selected elements of micro-environment of the enterprise.Forecasting variables in the enterprise.						
Prerequisites and co-requisites	Basic knowledge of statistics.						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	colloquium and skill tasks	60.0%	50.0%
	knowledge tasks	60.0%	50.0%
Recommended reading	Basic literature	Cieślak, M. (2022). Prognozowanie gospodarcze metody i zastosowania. Warszawa: PWN. Dittmann, P.(2008). Prognozowanie w przedsiębiorstwie metody i ich zastosowania. Kraków: Wolters Kluwer. Dittmann, P, Szabela-Pasierbińska, E., Dittmann, I., Szpulak, A. (2017). Prognozowanie w zarządzaniu przedsiębiorstwem. Warszawa: Wydawnictwo Nieoczywiste Zeliaś, A., Pawełek, B., Wanat S. (2003). Prognozowanie ekonomiczne, teoria, przykłady, zadania. Warszawa; PWN.	
	Supplementary literature	Bukowski, M., Śniegowski, A., (2017). Megatrendy. Od akceptacji do działań. Warszawa: WiseEuropa-Fundacja Warszawski Instytut Studiów Ekonomicznych i Europejskich. Krys, Ch., Born, D.(2020). Trend Compendium 2050 Six megatrends that will shape the world. Munich: Roland Berger. Future State 2030. Światowe wyzwania dla liderów i przywódców (2014), KPMG International, MOWAT.	
	eResources addresses	Uzupełniające Adresy na platformie eNauczanie: Podstawy Prognozowania Gospodarczego AG1 sem3 - 2022/2023 - Moodle ID: 21635 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=21635">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=21635</a>	
Example issues/ example questions/ tasks being completed	The following table contains data on dwellings completed during the period 2005-2011 in thousands.  <ul style="list-style-type: none"><li>• Present the chart of the analyzed variable and determine the nature of its changes in the reporting period.</li><li>• Calculate forecast of that variable in the third quarter of 2011 by an appropriate naive method.</li><li>• Evaluate the usefulness of the selected method based on the quality of forecasts in the test period.</li><li>• Interpret the results.</li></ul>		
Work placement	Not applicable		