



Subject card

Subject name and code	Economic Forecasting, PG_00050165						
Field of study	Economics						
Date of commencement of studies	October 2020	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	3	Language of instruction			Polish		
Semester of study	5	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Katedra Statystyki i Ekonometrii -> 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	30.0	0.0	0.0	0.0	45
	E-learning hours included: 0.0						
	Prognozowanie Gospodarcze - 2022 - Moodle ID: 22888 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=22888						
Additional information: The course (practice part) is conducted in a computer laboratory, in the form of an academic webquest							
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	8.0	47.0	100		
Subject objectives	The aim of the course is to familiarize students with the issues of economic forecasting, acquire the ability to obtain data to make economic forecasts using various methods, and to acquire the ability to verify the obtained results and question published forecasts.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W06] knows the methods and tools of data acquisition appropriate for economic sciences, which allow to describe processes taking place in them and relations between them	Student lists forecasting methods and forecast verification measures. It describes the upcoming megatrends in the context of economic, social, technological and climate change.			[SW1] Assessment of factual knowledge		
	[K6_U07] can identify factors to be taken into account in micro and macroeconomic decision-making	The student identifies the factors determining the course of selected economic variables.			[SU2] Assessment of ability to analyse information		
	[K6_U05] can diagnose and forecast economic processes and phenomena with the use of methods and tools appropriate for economic sciences	The student analyzes and forecasts selected economic variables using appropriate forecasting methods and verifies the obtained results.			[SU4] Assessment of ability to use methods and tools		
	[K6_K02] can assess the validity of criteria and tasks in the projects implemented	The student plans and carries out the tasks resulting from the project.			[SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills		

Subject contents	Basic concepts and issues related to forecasting.Measurement of the quality of forecasts.Naive and adaptive methods of forecasting - introduction.Simple and weighted moving averages.Exponential smoothing - Brown and Holt model.Exponential smoothing - Winters models.Heuristic methods and analog forecasting.Scenarios and warning forecasts.Forecasting selected elements of the company's macro-environment.Forecasting selected elements of the micro-environment of the enterprise.Forecasting variables in the enterprise.The use of econometric models for forecasting		
Prerequisites and co-requisites	Basic knowledge of Microeconomics, Macroeconomics, Fundamentals of Statistics and Econometrics.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	webquest	60.0%	50.0%
	test	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 https://assets.kpmg/content/dam/kpmg/pdf/2014/02/future-state-2030-v3.pdf - Future State 2030. The global megatrends shaping governments. KPMG International, MOWAT	
Example issues/ example questions/ tasks being completed	Based on data from stat.gov.pl / macroeconomic indicators for the selected economic variable: <ul style="list-style-type: none"> • Make a graph of the analyzed variable and determine the nature of its changes in the analyzed period. • Forecast this variable for the next period using an appropriate adaptive method and a trend or trend model with seasonality. • Assess the usefulness of the selected method on the basis of the quality measures of ex-ante and ex-post forecasts. • Interpret the obtained results. 		
Work placement	Not applicable		