Subject card

Subject name and code	ESSENTIALS OF ECONOMIC FORECASTING, PG_00058559
Field of study	Economic Analytics

Date of commencement of studies	October 2024	Academic year of realisation of subject	2025/2026
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	Part-time studies	Mode of delivery	at the university
Year of study	2	Language of instruction	Polish
Semester of study	3	ECTS credits	5.0
Learning profile	general academic profile	Assessment form	exam

Conducting unit	Katedra Statystyki i Ekonometrii -> Faculty of Management and Economics

Name and surname of lecturer (lecturers)	Subject supervisor	dr Aneta Sobiechowska-Ziegert
	Teachers	

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	16.0	0.0	16.0	0.0	0.0	32
	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	32	10.0	83.0	125

Subject objectives	Selects forecasting methods appropriate to the studied phenomenon, obtaining economically and socially valuable results, which is confirmed by the conducted assessment

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_W05] integrates data from multiple sources to analyze complex economic problems	forecasts economic phenomena at the micro and macroeconomic level, integrating data from many sources	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects
	[K6_U05] designs innovative solutions to complex problems obtaining economic and socially valuable results	selects the appropriate forecasting method based on the course of the phenomenon over time, obtaining economically and socially valuable results	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task

Subject contents	Basic concepts and issues related to forecasting. Types of forecasts, methods and variables. Measurement of the quality of forecasts. Naive and adaptive methods of forecasting - introduction. Simple and weighted moving averages. Exponential smoothing - Brown, Holt and Winters model. Heuristic methods and analog forecasting. Scenarios and warning forecasts. Mega trends - forecasts for the world and Poland Forecasting selected elements of the macro-environment of the enterprise. Forecasting selected elements of the micro-environment of the enterprise. Forecasting variables in the enterprise.
Prerequisites and co-requisites	microeconomics basics of statistics macroeconomics

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	quizzes	60.0%	40.0%
	colloquium	60.0%	40.0%
	assignments	0.0%	20.0%

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	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Based on data from stat.gov.pl / macroeconomic indicators for the selected economic variable. • Make a graph of the analysed variable and determine the nature of its changes in the analysed period. • Predict this variable for the next period using the appropriate adaptive method. • evaluate the suitability of the selected method on the basis of the forecast quality measures in the adopted test period. • Interpret the obtained results.	
Work placement	Not applicable	