



Subject card

Subject name and code	Basics of Economic Forecasting, PG_00037177						
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	Part-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	Department of Economic Sciences -> 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	8.0	0.0	16.0	0.0	0.0	24
	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	24		8.0		68.0	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 assesses forecasts he made.		[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 as well as he lists the basic tools of forecasting and steps of forecasting process.		[SW1] Assessment of factual knowledge		
Subject contents	<p>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.</p>						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	knowledge test	60.0%	50.0%
	colloquium	60.0%	50.0%
Recommended reading	Basic literature	<p>Cieślak M., Prognozowanie gospodarcze – metody i zastosowania, PWN W-wa 1997 (i nowsze)</p> <p>Zeliaś A., Pawełek B., Wanat S., Prognozowanie ekonomiczne, teoria, przykłady, zadania, PWN, W-wa 2003</p> <p>Dittmann P., Prognozowanie w przedsiębiorstwie – metody i ich zastosowania, Wolters Kluwer, Kraków 2008</p>	
	Supplementary literature	not applicable	
	eResources addresses	Adresy na platformie eNauczenie: Podstawy Pognozowania Gospodarczego nstac - 2022 - Moodle ID: 22882 <a href="https://enauczenie.pg.edu.pl/moodle/course/view.php?id=22882">https://enauczenie.pg.edu.pl/moodle/course/view.php?id=22882</a>	
Example issues/ example questions/ tasks being completed	<p>The following table contains data on dwellings completed during the period 2005-2011 in thousands.</p> <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		

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