



Subject card

Subject name and code	MODELING THE LABOR MARKET, PG_00060827						
Field of study	Economic Analytics						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2025/2026		
Education level	second-cycle studies	Subject group			Optional subject group 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			English		
Semester of study	4	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Statistics and Econometrics -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Dagmara Nikulin				
	Teachers						
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						
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		4.0		26.0	75
Subject objectives	Analyzes the functioning of the labor market, taking into account economic and social conditions						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_W06] Knows and understands the principles of evaluating the reliability of utilized data, applying in-depth specialized knowledge in the field of economic analysis		selects appropriate sets of variables for the models based on in-depth knowledge of the studied phenomena		[SW1] Assessment of factual knowledge		
	[K7_U04] Prepares and delivers convincing presentations of the results of specialized analyses, providing in-depth interpretations during debates and meetings with diverse audiences.		presents a professional presentation of the results of analyzes of the functioning of the labor market, making an in-depth interpretation of the proposed assessments		[SU5] Assessment of ability to present the results of task		
Subject contents	Introduction to modern labor market analysis Gender pay gap Labor market and new technology (robotization, artificial intelligence) Working conditions: holistic approach Self-employment in Europe Empirical analysis of selected labor market issues						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Classwork Assessment (Assignments Evaluation)		60.0%		50.0%		
	Final Examination (Project-Base)		60.0%		50.0%		
Recommended reading	Basic literature		Borjas, G. J., & Van Ours, J. C. (2010). <i>Labor economics</i> . Boston: McGraw-Hill/Irwin.				

	Supplementary literature	Matysiak, A., & Cukrowska-Torzewska, E. (2021). Gender and labour market outcomes. In <i>Research Handbook on the Sociology of the Family</i> (pp. 329-341). Edward Elgar Publishing. Antón, J. I., Klenert, D., Fernández-Macías, E., Urzi Brancati, M. C., & Alaveras, G. (2022). The labour market impact of robotisation in Europe. <i>European Journal of Industrial Relations</i> , 28(3), 317-339. Eurofound (2022), Working conditions in the time of COVID-19: Implications for the future, European Working Conditions Telephone Survey 2021 series, Publications Office of the European Union, Luxembourg.
	eResources addresses	Adresy na platformie eNauczenie:
Example issues/ example questions/ tasks being completed	Preparation of an econometric analysis explaining the development of various aspects of working conditions in Europe, the development of the wage gap, factors influencing the prevalence of self-employment	
Work placement	Not applicable	

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