GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	MODELING THE LABOR MARKET, PG_00060827		
Field of study	Economic Analytics		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2024/2025
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	exam
Conducting unit	Department of Statistics and Econometrics -> Faculty of Management and Economics		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Dagmara Nikulin	
	Teachers	dr Dagmara Nikulin	

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_U04] prepares and presents convincing, professional presentations of analysis results, with their in-depth interpretation	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
	[K7_W06] identifies reliable sources of information relevant to the analyzed issues	selects appropriate sets of variables for the models based on in-depth knowledge of the studied phenomena	[SW1] Assessment of factual knowledge

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
	Final Examination (Project-Based Assessment)	60.0%	50.0%
	Classwork Assessment (Assignments Evaluation)	60.0%	50.0%

Recommended reading	Basic literature	Borjas, G. J., & Van Ours, J. C. (2010). *Labor economics*. Boston: McGraw-Hill/Irwin.

	Supplementary literature	Matysiak, A., & Cukrowska-Torzewska, E. (2021). Gender and labour market outcomes. In *Research Handbook on the Sociology of the Family* (pp. 329-341). Edward Elgar Publishing. Antón, J. I., Klenert, D., Fernández-Macías, E., Urzì Brancati, M. C., & Alaveras, G. (2022). The labour market impact of robotisation in Europe. *European Journal of Industrial Relations*, *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 eNauczanie: Modeling the labor market - Moodle ID: 44216 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=44216
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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