University of Gdańsk

Subject card

Subject name and code	Master Seminar 3, PG_00177514						
Field of study	Informatics and Econometrics						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2027/2028		
Education level	Master's studies		Subject group		Obligatory subject group in the field of study 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		Polish		
Semester of study	4		ECTS credits		5.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Statistics -> Faculty of Management -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Ewa Wycinka				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	35.0	35
	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	35		4.0		86.0	125
Subject objectives	• Conducting empirical research in accordance with the previously approved plan. • Processing research results using appropriate analytical tools. • Editing the final chapters of the masters thesis (analytical part, conclusions, abstract). • Final preparation of the thesis for submission and defense						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[IiEMU2_W05] Possesses advanced knowledge and understanding of informatics, statistics, and econometrics techniques and tools used to acquire, process, or visualise data to aid in decision-making and verify research hypotheses	The student has knowledge of collecting primary data (surveys, interviews) or acquiring secondary data (databases, reports). They conduct empirical research in accordance with the previously approved plan	[SW3] text preparation/written work
	[IiEMU2_U04] Can choose, develop, and analyze traditional or innovative models of complex economic and social phenomena to make informed decisions	The student is able to apply advanced analytical methods to model the studied phenomena and to identify patterns	[SU3] text preparation/written work
	[IiEMU2_U13] Can formulate and verify hypotheses about simple research problems using advanced, structured knowledge and appropriately selected research methods in econometrics, informatics, or statistics	The student is able to synthesize knowledge from various studies and conducted empirical research, formulate their own interpretations and conclusions.	[SU3] text preparation/written work
	[IiEMU2_U10] Is able to convey information transparently and effectively, adapting their communication to meet the needs of different audiences. They can clearly present their opinions and engage in debates using terminology from the fields of econometrics, informatics, or statistics, utilizing various media	The student is able to describe the results of the conducted empirical research and edit the final chapters of the master's thesis (analytical section, conclusions, abstract)	[SU3] text preparation/written work
	[IiEMU2_W10] Possesses a deeper understanding of the essential dilemmas of modern civilization, particularly concerning the IT development	The student has an in-depth understanding of selected dilemmas of contemporary civilization related to the development of information technologies and takes them into account in analyses and scientific discussion conducted within the seminar.	[SW3] text preparation/written work
	[IiEMU2_U09] Can independently plan and implement the process of learning and improving professional skills in econometrics, informatics or statistics throughout life and guide others in this regard	The student is able to independently plan and carry out the process of preparing a diploma thesis, develop their own research competences, and support others in improving skills in the fields of econometrics, computer science, or statistics.	[SU3] text preparation/written work
	[IiEMU2_K02] Is ready to perform professional roles responsibly, observe and develop the principles of professional ethics and act to comply with them, as well as to care for the development of achievements and maintain the ethos and tradition of professions related to econometrics, informatics or statistics	The student is prepared to responsibly carry out tasks related to the preparation of the diploma thesis, adhere to the principles of academic and professional ethics, and ensure the reliability and quality of scientific work.	[SK3] text preparation/written work
	[IiEMU2_U07] Can prepare detailed written papers, presentations, and oral speeches on econometrics, informatics, or statistics issues	The student is able to interpret the results of the conducted empirical research and relate them to the subject literature. They can formulate conclusions and, where applicable, practical recommendations.	[SU3] text preparation/written work
	[IiEMU2_K01] Is ready to acquire and deepen the knowledge needed to solve cognitive and practical problems, in particular in the field of econometrics, informatics or statistics, as well as to evaluate the knowledge and the received content critically and to consult experts in the event of difficulties with solving the problem on their own	The student is prepared to integrate theoretical and empirical knowledge to develop a coherent and logically structured thesis.	[SK3] text preparation/written work

<table>
<tr><td>Subject contents</td><td colspan="3">The final semester of the thesis seminar focuses on the application of data analysis methods to economic and social issues.

Development of the empirical part of the thesis includes:
1. Collecting primary data (e.g., surveys, interviews) or acquiring secondary data (e.g., databases, reports)
2. Preparing data for analysis
3. Performing data analysis (statistical, econometric, or qualitative, depending on the thesis topic)
4. Interpreting results and linking them to the subject literature
5. Formulating conclusions and, where appropriate, practical recommendations
6. Editing the complete thesis in accordance with editorial and academic standards</td></tr>
<tr><td>Prerequisites and co-requisites</td><td colspan="3">The thesis topic and objective have been defined. The theoretical part of the thesis has been prepared.</td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>Finished master thesis</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">The literature used by the student to write the thesis, verified by the thesis supervisor.</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">1. Kaszyńska A., Jak napisać, przepisać i z sukcesem obronić pracę dyplomową?, Wyd. Złote Myśli, 2008

2. Lelusz H., Kowalewski M., Lasmanowicz R., Metodyka pisania prac dyplomowych o tematyce ekonomicznej, Wydaw. Uniwersytetu Warmińsko Mazurskiego, Olsztyn 2000

3. Ładoński W., Urban S., Proces tworzenia prac dyplomowych i magisterskich na studiach ekonomicznych. Poradnik, PWN, Warszawa 1989

4. Opoka E., Uwagi o pisaniu i redagowaniu prac dyplomowych, Politechnika Śląska, Gliwice 2001

5. Pawlik K., Zenderowski R., Dyplom z Internetu. Jak korzystać z Internetu pisząc prace dyplomowe?, CeDeWu, Warszawa 2010/2011

6. Roszczypała J., Metodyka przygotowania prac licencjackich i magisterskich, Wyższa Szkoła Ekonomiczna, Warszawa 2003

7. Wójcik K., Piszę akademicką pracę promocyjną licencjacką, magisterską, doktorską, Wydawnictwo Placet, Warszawa 2005

8. Zenderowski R., Praca magisterska, licencjat. Krótki przewodnik po metodologii pisania pracy dyplomowej, CeDeWu, Warszawa 2009</td></tr>
<tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3"></td></tr>
<tr><td>Work placement</td><td colspan="3">Not applicable</td></tr>
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