

**Subject card**

<b>Subject name and code</b>	Master Seminar 1, PG_00177505						
<b>Field of study</b>	Informatics and Econometrics						
<b>Date of commencement of studies</b>	October 2026	<b>Academic year of realisation of subject</b>			2026/2027		
<b>Education level</b>	Master's studies	<b>Subject group</b>			Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	1	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	2	<b>ECTS credits</b>			2.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			credit		
<b>Conducting unit</b>	Department of Statistics -> Faculty of Management -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr hab. Ewa Wycinka				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	0.0	0.0	0.0	0.0	30.0	30
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	<b>Number of study hours</b>	30		4.0		16.0	50
<b>Subject objectives</b>	Selection of the master's thesis topic. Formulation of the thesis objective and research problems. Analysis of the subject literature in the chosen field.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[[iEMU2_K01] The student 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 identifies research problems and formulates research hypotheses whose verification requires in-depth knowledge of econometrics, computer science, or statistics. They are aware of their own cognitive limitations and the need for continuous learning	[SK3] text preparation/written work
	[[iEMU2_U01] The student can creatively and profoundly analyze complex social and economic processes using structured knowledge, econometrics, informatics, or statistics tools.	The student selects a socio-economic issue and designs a study using data analysis methods.	[SU3] text preparation/written work
	[[iEMU2_W06] The student possesses a structured understanding of the processes, methods, and tools necessary for the design, creation, development, and provision of suitable conditions for informatics, econometrics or statistics tools.	"The student, when planning the study, identifies proper advanced analytical methods that will be used to examine the formulated research problems.	[SW3] text preparation/written work
	[[iEMU2_U02] Students can use conventional or innovative statistics, econometrics or informatics tools to analyze economic and social phenomena.	"The student selects research tools and techniques, including data analysis software and statistical packages, to examine research problems	[SU3] text preparation/written work
[[iEMU2_U07] Students can prepare detailed written papers, presentations, and oral speeches on econometrics, informatics, or statistics issues.	The student formulates the research problem and objective, prepares the master's thesis plan, and gathers up-to-date literature and materials.	[SU3] text preparation/written work	
Subject contents	<p>The seminars content is tailored to the research topics selected by students participants of the seminar at the stage of developing a detailed thesis concept. It focuses on the application of data analysis methods to economic and social issues.</p> <ol style="list-style-type: none"> <li>1. Formulating the research problem and thesis objective</li> <li>2. Developing the thesis plan and structure</li> <li>3. Preparing appropriate and up-to-date literature and reference materials</li> <li>4. Selecting suitable research methods</li> </ol>		
Prerequisites and co-requisites	Knowledge of descriptive and mathematical statistics methods. Familiarity with at least one of the following programs: Statistica, SPSS, Python, or R		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	The thesis outline approved by the supervisor	51.0%	100.0%
Recommended reading	Basic literature	Literature used by the student for writing the thesis, verified by the thesis supervisor.	

	Supplementary literature	<p>1. Kaszyńska A., Jak napisać, przepisać i z sukcesem obronić pracę dyplomową?, Wyd. Złote Myśli, 2008</p> <p>2. Lelusz H., Kowalewski M., Lasmanowicz R., Metodyka pisania prac dyplomowych o tematyce ekonomicznej, Wydaw. Uniwersytetu Warmińsko Mazurskiego, Olsztyn 2000</p> <p>3. Ładoński W., Urban S., Proces tworzenia prac dyplomowych i magisterskich na studiach ekonomicznych. Poradnik, PWN, Warszawa 1989</p> <p>4. Opoka E., Uwagi o pisaniu i redagowaniu prac dyplomowych, Politechnika Śląska, Gliwice 2001</p> <p>5. Pawlik K., Zenderowski R., Dyplom z Internetu. Jak korzystać z Internetu pisząc prace dyplomowe?, CeDeWu, Warszawa 2010/2011</p> <p>6. Roszczypała J., Metodyka przygotowania prac licencjackich i magisterskich, Wyższa Szkoła Ekonomiczna, Warszawa 2003</p> <p>7. Wójcik K., Piszę akademicką pracę promocyjną licencjacką, magisterską, doktorską, Wydawnictwo Placet, Warszawa 2005</p> <p>8. Zenderowski R., Praca magisterska, licencjat. Krótki przewodnik po metodologii pisania pracy dyplomowej, CeDeWu, Warszawa 2009</p>
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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