

Subject card

Subject name and code	Master Seminar 3, PG_00177594						
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							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Michał Kuciapski				
	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	<ul style="list-style-type: none"> Preparation of a diploma thesis in accordance with ethical requirements and principles of writing works according to the standard specified by the Dean of the Faculty Preparation for defense 						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[[iEMU2_U04] Students can choose, develop, and analyze traditional or innovative models of complex economic and social phenomena to make informed decisions.	Is able to select research methods and apply them appropriately to the research problem.	[SU3] text preparation/written work
	[[iEMU2_U10] The student 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.	Is able to formulate a research problem, research hypotheses and the objective of a master's thesis.	[SU3] text preparation/written work
	[[iEMU2_W05] The student 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.	Is able to use the knowledge acquired during his/her studies and enrich it through skillful study of literature.	[SW3] text preparation/written work
	[[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.	Critically evaluates both his/her own work and that of others, properly arguing his/her opinion.	[SK3] text preparation/written work
	[[iEMU2_U07] Students can prepare detailed written papers, presentations, and oral speeches on econometrics, informatics, or statistics issues.	Is able to use sources of knowledge while respecting intellectual property rights.	[SU3] text preparation/written work
	[[iEMU2_U13] The student can formulate and verify hypotheses about simple research problems using advanced, structured knowledge and appropriately selected research methods in econometrics, informatics, or statistics.	Possesses the ability to prepare written works, conduct logical arguments, and use clear and precise language.	[SU3] text preparation/written work

Subject contents	<p>Establishing the topic of the master's thesis Establishing the research problem and the purpose of the master's thesis Selection of research methods and literature for the research problem. Conducting scientific research under the guidance and supervision of the supervisor Writing the diploma thesis under the guidance and supervision of the supervisor Constructing the introduction and conclusion of the thesis Preparing the thesis for printing Preparing students for the diploma exam</p> <p>Topics according to supervisors:</p> <p><i>dr hab. Jerzy Auksztol, prof. UG</i></p> <ol style="list-style-type: none"> 1. Information systems development and maintenance 2. Legal aspects of business informatics. 3. Software engineering. 4. Software development project management. 5. E-administration research. 6. Language models in application. <p><i>dr hab. Bartłomiej Gawin, prof. UG</i></p> <ol style="list-style-type: none"> 1. Business process management using dedicated IT tools (process design, simulation, implementation, analysis and optimization); 2. Design and implementation of IT systems; 3. Energy efficiency management using dedicated IT tools (building energy strategies for enterprises, telemetry and renewable energy source control systems, multi-source data analysis); 4. IT project management; 5. Data collection, processing, visualization and analysis 								
Prerequisites and co-requisites	Proseminar								
Assessment methods and criteria	<table border="1" data-bbox="448 958 1477 1059"> <thead> <tr> <th data-bbox="448 958 794 1003">Subject passing criteria</th> <th data-bbox="794 958 1141 1003">Passing threshold</th> <th data-bbox="1141 958 1477 1003">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="448 1003 794 1059">Systematic work on preparing a master's thesis</td> <td data-bbox="794 1003 1141 1059">51.0%</td> <td data-bbox="1141 1003 1477 1059">100.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Systematic work on preparing a master's thesis	51.0%	100.0%
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Systematic work on preparing a master's thesis	51.0%	100.0%							
Recommended reading	Basic literature	<ul style="list-style-type: none"> • Brycz. B., Dudycz T., Przewodnik dla piszących prace magisterskie w zakresie zarządzania, PWE, Warszawa 2011 							
	Supplementary literature	<ul style="list-style-type: none"> • http://dl.acm.org/ 							
	eResources addresses								
Example issues/ example questions/ tasks being completed	Find a research topic in the field of economic informatics and write a master's thesis on it.								
Work placement	Not applicable								

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