University of Gdańsk

Subject card

Subject name and code	Master Seminar 2, PG_00177524						
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	3		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Business Informatics -> Faculty of Management -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Jerzy Auksztol, prof. UG				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	30.0	30
	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	30		4.0		16.0	50
Subject objectives	In the second semester, the seminar participants are to conduct the research specified in the first semester and prepare selected chapters of the diploma thesis.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[IiEMU2_U02] Can use conventional or innovative statistics, econometrics or informatics tools to analyze economic and social phenomena	The student is able to creatively adapt the research methods and tools of business informatics during conducting the study on complex technical and social phenomena.	[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 able to conduct the study specified in the first semester of the seminar cycle, using the methods and research tools of business informatics.	[SK3] 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 clearly present the results of their work and engage in scientific discussion, using specialized terminology and adapting the method of communication to the audience.	[SU3] 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 develop selected chapters of a diploma thesis in accordance with the framework defined for scientific publications.	[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 maintain the discipline of the research process in accordance with the assumed goals defined in the first semester, while at the same time being able to consciously introduce changes according to the agile project management method.	[SU3] text preparation/written work
[IiEMU2_U03] Is able to obtain and verify data from properly selected sources and to collect, process, and visualize it using modern econometrics, informatics or statistics tools	The student is able to design the process of collecting research data, obtaining, evaluating and analyzing them for the purposes of the conducted study.	[SU3] text preparation/written work
[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 knows and understands the methods and tools of business informatics to an extent that enables making appropriate choices in the research process under conditions of complex socio-technical phenomena.	[SW3] text preparation/written work

Subject contents

A continuation of the seminar, whose scope encompasses the application of IT methods and tools to economic and social issues.

The course content is tailored to the research topics selected by the students during the stage of developing their detailed thesis concept.

Depending on individual arrangements with the thesis supervisor, the student:

1. Conducts a critical review of the literature.
2. Develops the research methodology and conducts the study.
3. Prepares selected chapters of the thesis.

Prerequisites and co-requisites	1. Completed the second semester of second-cycle studies. 2. Have knowledge of methods and ways of building IT systems and statistical methods enabling data acquisition, processing and analysis. 3. Have knowledge of selected text composition tools, such as Microsoft Word, LibreOffice, LaTex. 4. Have the ability to freely formulate thoughts in a descriptive form.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Results of the conducted research	51.0%	50.0%
Selected chapters of the diploma thesis	51.0%	50.0%

Recommended reading

Basic literature	Dyhdalewicz, A. (2022). Ramy koncepcyjne prac magisterskich. Wybrane problemy metodyczne. Akademia Zarządzania, 6(1), 183-205. Pułło A. (2000). Prace magisterskie i licencjackie, Wydawnictwa Prawnicze PWN, Warszawa. Wrycza, S. i Maślankowski, J. (eds.) (2019). Informatyka ekonomiczna: teoria i zastosowania. Wydawnictwo Naukowe PWN. Warszawa. Węglińska, M. (2013). Jak pisać pracę magisterską? Poradnik dla studentów. Wydawnictwo Impuls, Kraków.
Supplementary literature	Literature items from the area of business informatics, information technology, computer science and management corresponding to the topic of the master's thesis.
eResources addresses	

Example issues/ example questions/ tasks being completed	Conducting research in accordance with the assumptions defined in the first semester of the seminar.Discussion of the content of selected chapters describing the essence, scope and process of conducting own research.
Work placement	Not applicable

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