

Subject card

Subject name and code	Master Seminar 3, PG_00157362						
Field of study	Informatics and Econometrics						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2025/2026		
Education level	Master's studies		Subject group		Obligatory subject group in the field of study Optional subject group		
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		10.0		
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. Krzysztof Najman				
	Teachers		prof. dr hab. Mirosław Szreder dr hab. Anna Zamojska dr hab. Krzysztof Najman dr hab. Kamila Migdał-Najman dr hab. Ewa Wycinka dr hab. Beata Jackowska				
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		30.0		120.0	180
Subject objectives	Preparation of a diploma thesis in accordance with ethical requirements and principles of writing papers according to the standard specified by the Dean of the Faculty of Management. Preparation for the diploma exam.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[liEMU2_U01] The student can comprehensibly, orally and in writing, present and justify in depth advanced economic theories and apply them to explain the functioning of the national economy and its components. Understands and can explain the content of communications from economic institutions, articles in the economic press and scientific journals.	The student is able to present and justify advanced economic theories in speech and writing and apply them to explain selected social phenomena.	[SU1] oral statement/conversation/discussion [SU3] text preparation/written work
	[liEMU2_K06] The student knows the need for ethical, sustainable and socially responsible behavior in professional and social life. Initiates and organises activities for the social environment and public interest.	The student prepares a diploma thesis aware of the need for ethical, socially sustainable and responsible behavior in professional and social life.	[SK1] oral statement/conversation/discussion [SK3] text preparation/written work
	[liEMU2_W04] The student has an in-depth knowledge of advanced mathematical, statistical, econometric and IT methods that enable the acquisition, processing and analysis of data reflecting the functioning and growth of the national economy and its components, as well as the phenomena and processes occurring in their environment.	The student has in-depth knowledge of advanced mathematical, statistical, econometric and computer methods necessary to prepare a diploma thesis.	[SW1] oral statement/conversation/discussion [SW3] text preparation/written work
	[liEMU2_U09] The student has an in-depth ability to prepare written works, oral speeches and multimedia presentations on the functioning and growth of the national economy and its components, the course of complex economic phenomena and processes, the acquisition of data about them, their collection, processing and analysis with the help of modern mathematical, statistical, econometric and IT tools, as well as their use in modeling, forecasting and optimization.	The student is able to prepare a diploma thesis on a selected social problem, using modern statistical, econometric and IT tools.	[SU1] oral statement/conversation/discussion [SU3] text preparation/written work
	[liEMU2_K02] The student can communicate freely with the public on specialised topics in the field of computer science and econometrics in and outside the workplace, communicate his knowledge and share his skills through various media. Culturally participates in discussions, is not afraid to ask questions and knows how to give constructive criticism.	The student is able to discuss, communicate and share knowledge in the theory and practice of applying data analysis methods.	[SK1] oral statement/conversation/discussion [SK3] text preparation/written work
	[liEMU2_K01] The student understands the need for continuous completion and deepening of acquired knowledge. The student inspires and organizes others' learning processes.	The student understands the need to constantly update knowledge in the field of data analysis.	[SK1] oral statement/conversation/discussion [SK3] text preparation/written work
Subject contents	The contents of the classes are adapted to the research interests of students - seminar participants - at the stage of developing a detailed work concept and focus on the application of data analysis methods to economic and social issues. 1. Development of the research problem and the purpose of the work 2. Development of the plan and structure of the work 3. Preparation of appropriate, current literature and materials 4. Development of the epistemological part 5. Development of the stages of the research procedure and use of appropriate research methods 6. Development of the empirical part - development of the results of the work, their analysis and drawing conclusions 7. Summary of the work.		

Prerequisites and co-requisites	Knowledge of descriptive and mathematical statistics methods. Knowledge of at least one of the following programs: Statistica, SPSS, Python, R.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Submission of completed thesis	51.0%	100.0%
Recommended reading	Basic literature	Relevant literature used by the student to write the thesis, verified by the thesis supervisor.	
	Supplementary literature	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	
	eResources addresses		
	Example issues/ example questions/ tasks being completed		
Work placement	Not applicable		

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