

Subject card

Subject name and code	Master Seminar 2, PG_00157263						
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	part-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		6.0		
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 Arkadiusz Kozłowski				
			dr hab. Ewa Wycinka				
			dr hab. Kamila Migdał-Najman				
		dr hab. Krzysztof Najman					
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	15.0	15
	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	15		15.0		120.0	150
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_W07] The student has an extended and established knowledge of ethical norms applicable to business, good practices for its conduct and legal regulations for the protection of intellectual property. The student has an extended knowledge of the risks and responsibilities associated with the computerization of business processes. The student knows the principles of netiquette.	The student has extended and well-established knowledge of ethical principles, legal norms and responsibility in the preparation of a diploma thesis.	[SW1] oral statement/ conversation/discussion [SW3] text preparation/written work
	[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_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_K04] The student can work in a team, co-create it, effectively manage and supervise it; efficiently adapts his behavior and conduct to his role in it; is ready to take responsibility for the team and bear the consequences; understands the necessity of systematicity and consistency in action; is open to other team members and critical of himself.	The student is able to work in a team, fulfilling various functions, understands responsibility for the team, and is open to other team members when preparing his/her diploma thesis.	[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
	Preparation by the student of a part of the diploma thesis agreed with the supervisor.	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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