University of Gdańsk

Subject card

Subject name and code	Diploma Seminar 1, PG_00178074						
Field of study	Informatics and Econometrics						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2028/2029			
Education level	Bachelor'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	3		Language of instruction	Polish			
Semester of study	5		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 Sławomir Radomski				
	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	The aim of the bachelor's seminar consisting of two semester parts is to prepare participants to: (i) plan a scientific study on the subdiscipline of economic informatics, (ii) conduct it and prepare a bachelor's thesis on this basis summarizing the entire process and the obtained results of the study. A complementary aim is to prepare the student to effectively defend the work they have prepared before the examination committee. The first semester is to prepare the table of contents, the first chapter and collect data for the diploma thesis in accordance with ethical requirements and the principles of writing papers according to the standard specified by the Dean of the Faculty.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[IiEL3_U02] Students can select or construct econometrics, informatics or statistics tools and apply them to describe and solve economic and social problems.	The student proposes a solution to a specific research problem within the scope of the prepared diploma thesis.	[SU3] text preparation/written work
	[IiEL3_U01] The student can analyze and interpret social and economic processes and phenomena using knowledge and econometrics, informatics or statistics tools from management and quality sciences, economics and finance.	The student describes, analyzes and interprets economic and computer phenomena.	[SU3] text preparation/written work
	[IiEL3_U07] The student can prepare written papers, presentations, and oral speeches on problems in econometrics, informatics, or statistics.	The student is able to prepare written works, presentations and oral speeches in the field of economic informatics in accordance with the adopted principles.	[SU3] text preparation/written work
	[IiEL3_K01] The student is prepared to acquire the knowledge necessary to tackle cognitive and practical problems, particularly in econometrics, informatics and statistics. Additionally, the students are ready to assess their current knowledge and the information they receive critically and consult with experts if they have difficulties solving the problem independently.	The student independently proposes a solution to a specific research problem within the scope of the prepared diploma thesis in the field of economic informatics.	[SK3] text preparation/written work
	[IiEL3_U10] The student can convey information clearly and effectively, presenting their opinions using econometrics, informatics, and statistics terminology across various media.	The student prepares a written paper using theoretical elements and presenting the results of an independently conducted empirical study.	[SU3] text preparation/written work
	[IiEL3_W05] To an advanced degree, the student knows and understands the methods, techniques and informatics or statistics tools used to acquire, collect, process and present data in decision-making processes.	The student has an advanced knowledge and understanding of the IT or statistical methods, techniques and tools used to acquire, collect, process and present data in decision-making processes within the scope of the diploma thesis being prepared.	[SW3] text preparation/written work

Subject contents	Dr. Dorota Buchnowska: Design and creation of applications (web, mobile); Internet services - design, creation, personalization; Application of AI solutions in enterprise management (in various areas); Implementation projects and applications of management support systems - CRM, ERP; Business data analysis using BI and BA solutions. Dr. Dariusz Kralewski Application design and production Testing IT systems in production and management Business Intelligence and data warehouse engineering Neural networks in economics and management Dr. Natalia Michałek Portfolio, program, project management; Agile project management methodologies; Project management office (PMO); eCommerce and digital business; IT system efficiency (TCO analysis, ROI indicator); Cloud Computing; Green Computing; Student proposals (topics resulting from professional practice, in the research stream of the Faculty and Department). Dr. Sławomir Radomski Design and creation of server-side IT systems Design and creation of client-side IT systems Software acceptance and adoption studies IT systems in the economy Using artificial intelligence models in applications Dr. Monika Woźniak IT project management IT project management methodologies Organizational project maturity IT project team Innovation / creative methods in IT projects
Prerequisites and co-requisites	Knowledge of issues related to writing theses, management and quality sciences, and computer science.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
The first chapter of the bachelor's thesis accepted by the supervisor	51.0%	100.0%

Recommended reading	Basic literature	Literature used by the student to write a diploma thesis, verified by the person conducting the diploma seminar W. Czakon (red) (2016). Podstawy metodologii badań w naukach o zarządzaniu. Wyd. Nieoczywiste, Warszawa. Pułło A. (2000). Prace magisterskie i licencjackie, Wydawnictwa Prawnicze PWN, Warszawa.
	Supplementary literature	Wrycza, S. i Maślankowski, J. (eds.) (2019). Informatyka ekonomiczna: teoria i zastosowania. Wydawnictwo Naukowe PWN. Warszawa.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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