University of Gdańsk

Subject card

Subject name and code	Diploma Seminar 1, PG_00178491		
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	part-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			
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	16.0	16

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	16	3.0	31.0	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 IT 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_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
	[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

<table>
<tr><td>Subject contents</td><td>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</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Knowledge of issues related to writing theses, management and quality sciences, and computer science.</td></tr>
<tr><td>Assessment methods and criteria</td><td><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>The first chapter of the bachelor's thesis accepted by the supervisor</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>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.</td></tr><tr><td>Supplementary literature</td><td>Wrycza, S. i Maślankowski, J. (eds.) (2019). Informatyka ekonomiczna: teoria i zastosowania. Wydawnictwo Naukowe PWN. Warszawa.</td></tr><tr><td>eResources addresses</td><td></td></tr></table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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