University of Gdańsk

Subject card

Subject name and code	Diploma Seminar 2, PG_00178691		
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	6	ECTS credits	5.0
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	106.0	125

Subject objectives

The objective of the second semester of the seminar is to prepare the second theoretical chapter and the empirical chapter, as well as to compile the entire thesis in accordance with the guidelines for thesis writing specified by the Dean of the Faculty of Management.

A complementary objective is to prepare the student for a successful defense of their thesis before the examination board.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[IiEL3_U07] 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_U02] Can select or construct econometrics, informatics or statistics tools and apply them to describe and solve economic and social problems	The student is able to propose a solution to a specific research problem within the scope of their diploma thesis.	[SU3] text preparation/written work
[IiEL3_K01] 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 demonstrates a readiness to independently expand their knowledge in order to develop and propose a solution to a research problem within their diploma thesis in the field of business informatics.	[SK3] text preparation/written work
[IiEL3_W05] 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 IT or statistical methods, techniques, and tools used for data acquisition, collection, processing, and presentation in decision-making processes within the scope of their diploma thesis.	[SW3] text preparation/written work
[IiEL3_U03] Can obtain data from appropriately selected sources, use these data to solve economic and social problems, and process and interpret them using econometrics, informatics or statistics tools	The student is able to obtain data from appropriately selected sources, use this data to solve economic and social problems, and process and interpret it using appropriate tools.	[SU3] text preparation/written work
[IiEL3_U04] Can build and interpret models of economic and social phenomena and processes for decision-making processes	The student is able to build and interpret models of economic and social phenomena and processes for the purposes of decision-making processes in management.	[SU3] text preparation/written work
[IiEL3_K02] Is ready to perform professional roles responsibly, observe professional ethics and require this of others, and care for the achievements and traditions of the professions related to econometrics, informatics or statistics	The student is ready to perform professional roles responsibly, to observe the principles of professional ethics and to require the same from others, as well as to care for the achievements and traditions of professions related to computer science.	[SK3] text preparation/written work
[IiEL3_U10] Can convey information clearly and effectively, presenting their opinions using econometrics, informatics, and statistics terminology across various media	The student is capable of preparing a written paper using theoretical framework and presenting the results of an independently conducted empirical study.	[SU3] text preparation/written work

Subject contents	1. Developing the entirety of the theoretical part of the thesis. 2. Developing the entirety of the empirical part of the thesis. 3. Writing the introduction and conclusion, and preparing correct lists/indices (e.g., table of contents, lists of figures and tables). 4. Editing and proofreading the entire thesis. Research Areas: • Design and development of applications (web, mobile); • Websites – design, development, 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 (Business Intelligence) and BA (Business Analytics) solutions. dr. D. Buchnowska • Application design and development • Testing • Information systems in production and management • Business Intelligence and data warehouse engineering • Neural networks in economics and management dr Dariusz Kralewski • Portfolio, program, and project management; • Agile project management methodologies; • Project Management Office (PMO); • eCommerce and digital business; • IT system efficiency (TCO analysis, ROI index); • Cloud Computing; • Green Computing; • Student proposals (topics arising from professional practice, aligned with the research trend of the Faculty and Department). dr Natalia Michałek • Design and development of server-side information systems • Design and development of client-side information systems

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<tr><td></td><td>
Software acceptance and adoption research
Information systems in the economy
Utilizing artificial intelligence models in applications
dr Sławomir Radomski
IT project management
IT project management methodologies
Project maturity of organizations
IT project team
Innovation / creative methods in IT projects
dr Monika Woźniak
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<tr><td>Prerequisites and co-requisites</td><td>Knowledge of issues related to writing theses, management and quality sciences, and computer science. Basic skills in editing theses.</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 entire thesis approved by the supervisor</td><td>51.0%</td><td>100.0%</td></tr>
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<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>
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<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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