University of Gdańsk

Subject card

Subject name and code	Information Technologies, PG_00198946		
Field of study	Economics		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2026/2027
Education level	Bachelor's studies	Subject group	Obligatory subject group in the field of study 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	1	Language of instruction	Polish
Semester of study	2	ECTS credits	3.0
Learning profile	academic	Assessment form	credit
Conducting unit	Division of Electronic Economy -> Department of Maritime Transport and Seaborne Trade -> Faculty of Economics -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Adam Borodo	
	Teachers	mgr Marcin Hofman mgr Jagoda Włodarska dr Adam Borodo	

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	15.0	0.0	15.0	0.0	45

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	45	0.0	30.0	75

Subject objectives

The aim of the course is to familiarize students (from both theoretical and practical perspectives) with the capabilities of contemporary IT tools used in the economy.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[EKONL3_U12] can independently plan and implement own lifelong learning	The student is able to independently acquire knowledge on the use of computer programs.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
[EKONL3_U10] has the ability to prepare oral presentations, in Polish and in a foreign language, on economic and social issues, using specialist terminology, theoretical approaches, principles of collecting various sources of data, their description and interpretation, and making inferences from scientific literature, and is able to take an active part in a debate	The student is able to use basic computer programs for data acquisition and analysis, which are essential in professional work.	[SU4] test/exam - oral or written
[EKONL3_W06] has an advanced knowledge of selected methods and tools, including statistical and econometric techniques, for describing economic agents and structures as well as social institutions and the processes taking place in them	The student knows basic methods and tools, including IT tools and data acquisition techniques, that allow for describing and analyzing economic entities operating in the international market and the processes and phenomena occurring within and between them, as well as supporting decision-making processes.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
[EKONL3_K01] recognises the importance of economic knowledge in identifying and solving economic problems and of consulting experts when difficulties in solving them independently	The student is able to communicate with the economic environment using advanced information technology tools.	[SK4] test/exam - oral or written
[EKONL3_U09] is able to prepare written work, in Polish and in a foreign language, on specific economic and social issues, using specialist terminology, theoretical and methodological approaches, principles of collecting data from various sources, their description and interpretation, making inferences based on scientific literature and factual data, and making international comparisons	The student is able to use information technology tools in practice by preparing a project individually or in groups of up to two people, using Canva, Figma or PowerPoint to present business-related issues. The project is discussed and approved during consultations with the course instructor and then presented during classes.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU4] test/exam - oral or written

Subject contents

1. The Emergence of the Internet.
2. The First Computer Networks.
3. Internet Search Tools.
4. WEB 2.0/3.0/4.0.
5. Information Society.
6. Information and Its Place of Origin.
7. Social Media.
8. Electronic Economy.
9. IT Tools Used in Professional Work.

In order to develop the concepts discussed during the lectures, students can take advantage of consultations.

Prerequisites and co-requisites

Basic knowledge of computer science.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Individual or group project	51.0%	40.0%
The exam is a multiple-choice test (10 questions, max 10 points).	51.0%	60.0%

Recommended reading	Basic literature	1. Alexander M., Analizy Business Intelligence. Zaawansowane wykorzystanie Excel, Wydawnictwo Helion, 2019. 2. Borodo A., Dopierała Ł., Znaczenie wymiany kryptograficznej Bitcoin jako srodka wymiany, (w:) Współczesna Gospodarka/on-line/, 2014, Vol. 5, nr 2. 3. Debicka O., Borodo A., Wykorzystanie modelu SaaS w budowie sklepow internetowych w Polsce, (w:) Wyzwania społeczenstwa informacyjnego, InfoGlobMar 2015, red. K. Kreft, Uniwersytet Gdanski, 2015. 4. Debicka O., Borodo A., Winiarski J., Ochrona danych osobowych w branzy E-Commerce w Polsce, Zeszyty Naukowe Uniwersytetu Gdanskiego, 2017, nr 1. 5. A. Borodo, Ekonomiczne uwarunkowania wykorzystania mediow społecznosciowych w handlu elektronicznym, Wydawnictwo Uniwersytet Gdanski, Katedra Transportu i Handlu Morskiego, Sopot 2021. 6. Biblia E-biznesu 3.0, Red. M. Dutko, Wydawnictwo Helion S.A., Gliwice 2021.
	Supplementary literature	1. Masłowski K., Excel 2019. Cwiczenia praktyczne, Wydawnictwo Helion, 2019. 2. Wołk K., Microsoft Office 2019 oraz 365 od podstaw (ebook), Wydawnictwo Psychoskok, 2019. 3. Jaronicki A., ABC MS Office 2016, Wydawnictwo Helion, 2016. 4. Wrotek W., Office 2019 PL. Kurs, Wydawnictwo Helion, 2019.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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