University of Gdańsk

Subject card

Subject name and code	Information Technologies, PG_00199098		
Field of study	International Economic Relations		
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	dr Adam Borodo mgr Daniil Poliakov dr Dagmara Wach	

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
[MSGL3_U16] can plan and implement his/her own lifelong learning, expand and improve his/her acquired knowledge and economic skills; is open to new ideas and techniques; is willing to learn using any method, and has a tendency to interact with other participants of the learning process	The student is able to apply information technology tools in practice by preparing a project individually or in groups of up to two people, focused on the use of Canva, Figma, or PowerPoint to present business-related topics. The project is discussed and approved during consultations with the course instructor and subsequently presented in class.	[SU2] presentation/project/paper/report [SU4] test/exam - oral or written
[MSGL3_W10] has an advanced understanding of selected methods and tools, including IT tools and data acquisition techniques, which make it possible to describe and analyse economic entities operating on the international market; knows the processes and phenomena occurring in them and between them, and processes supporting decision-making	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
[MSGL3_U08] uses methods and computer programmes as well as marketing techniques and tools to acquire and analyse data necessary in his/her professional work to diagnose economic processes and make adequate economic decisions	The student is able to use basic computer programs for data acquisition and analysis, which are essential in professional work.	[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written
[MSGL3_U12] can prepare written assignments concerning detailed problems of international economic relations (in connection with the chosen speciality within International Economic Relations), using specialist terminology, theoretical and methodological approaches, principles of collecting data from various sources, their description and interpretation, principles of formulating research theses, drawing conclusions on the basis of scientific literature and factual data, and making international comparisons	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
[MSGL3_U13] can prepare presentations and oral speeches on selected specific problems concerning international economic relations (in connection with the chosen speciality within International Economic Relations), using theoretical approaches, specialist terminology, principles of collecting data from various sources, their description and interpretation, and drawing conclusions based on scientific literature	The student uses information technology techniques for processing information, including editing, analyzing, and visualizing data.	[SU4] test/exam - oral or written
[MSGL3_K01] is ready to recognise the importance of knowledge in the field of economics in the process of identifying and solving economic problems and to consult experts in case of 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

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. To further develop the concepts discussed during the lectures, students may take advantage of consultation hours.
Prerequisites and co-requisites	Basic knowledge of computer science.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
	51.0%	40.0%
Here's the translation: The exam is a multiple-choice test (10 questions - 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:) Wspołczesna 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	• What passwords should be avoided? • The Internet is: • Which of the following is not part of cloud computing models:
Work placement	Not applicable

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