

Subject card

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| 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 | | | | | | |
| 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. | | | | | | |

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| Learning outcomes | Course outcome | Subject outcome | Method of verification |
| | [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. | [SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written |
| | [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_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_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 | |
| Subject contents | <ol style="list-style-type: none"> 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. <p>In order to develop the concepts discussed during the lectures, students can take advantage of consultations.</p> | | |
| Prerequisites and co-requisites | Basic knowledge of computer science. | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Here's the translation: The exam is a multiple-choice test (10 questions, max 10 points). | 51.0% | 100.0% |

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

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