

International University of Logistics and Transport in Wrocław

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|--|--|--|---------------|---------------------------------------|---------------------------------|---------------------------|---|--------|
| Leading Item | Information technology | | | | | | | |
| Module | 0 | ECTS points | 3 | Reference number of the study program | L/2024/SPS/S/P - L/2024/SPS/N/P | | | |
| Direction | | Specialty | | | Academic year | | | |
| LOGISTICS | | Trade and distribution logistics / Transport safety | | | updated syllabus | | | |
| Term | | I | Year of study | | | I | | |
| Form of studies | Stationary | | | | Part-time | | | |
| Form of classes | Lecture | Exercises | Laboratories | Design | Lecture | Exercises | Laboratories | Design |
| Number of hours | 16 | 16 | | | 15 | 15 | | |
| TOGETHER | 32 | | | | 30 | | | |
| Objective of the course | The aim of this course is to familiarize students with the basics of computer science, particularly computer operation, operating systems, and application software. Students will acquire the skills to practically use IT tools in their professional work and solve simple problems using information technology. | | | | | | | |
| Minimum knowledge required from the student before starting classes | | | | | | | | |
| Basic computer skills and knowledge of elementary concepts related to working in the operating system. | | | | | | | | |
| Recommended literature to study before starting classes | | | | | | | | |
| Zieger S. 2025: Logistics and Power: Supply Chains from Slavery to Space, Wydawnictwo University of California Press, Kalifornia | | | | | | | | |
| SUBJECT-SPECIFIC LEARNING OUTCOMES (SLE) | | | | | KEU | EVALUATION METHODS | | |
| | CODE | FORM | | | CODE | CODE | FORM | |
| KNOWLEDGE | W1 | Has basic knowledge of methods of obtaining information and the use of computer systems in data analysis. | | | K1_W03_L_P | M014 | Continuous assessment | |
| | W2 | Understands the technical aspects of operating IT systems and office software used in logistics activities. | | | K1_W11_L_P | M010; M017 | Passing the project; Passing the practical tasks | |
| SKILLS | U01 | Can use digital tools to perform calculations, forecasting and basic data analysis. | | | K1_U04_L_P | M014 | Continuous assessment | |
| | U02 | Is able to identify problems when working with digital data and documents and use appropriate procedures and tools to solve them. | | | K1_U07_L_P | M014 | Continuous assessment | |
| | U03 | Can create, analyze and visualize information using word processing, spreadsheets and presentation programs. | | | K1_U13_L_P | M010; M017 | Passing the project; Passing the practical tasks | |
| SOCIAL COMPETENCES | K01 | Is prepared to independently develop digital competences and safely and effectively use IT resources in work and study. | | | K1_K04_L_P | M014 | Continuous assessment | |
| Subject content | Lectures | Operating system fundamentals and architecture, Managing files and folders in the operating system, Word processing basics and creating professional documents, Advanced word processing features, Introduction to spreadsheets and basic calculations, Spreadsheet data analysis, Report creation and data visualization, Preparing multimedia presentations, Safe internet use basics, Effective use of digital tools in work and education. | | | | | | |
| | Exercises | The student is able to independently perform practical tasks related to operating the operating system, including file and folder management, create and edit text documents using basic and advanced editor functions, develop and analyze data in a spreadsheet using formulas, functions and analytical tools, prepare clear multimedia presentations and safely use Internet resources, applying basic principles of data protection and digital security. | | | | | | |
| Teaching methods | CODE | FORM | | | | | | |
| | MD08 | Project method | | | | | | |
| | MD15 | Laboratory exercises – simulation analyses (computational, computer simulations) | | | | | | |

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| Compulsory literature | 1 | Dastbaz M. 2015: Green Information Technology: A Sustainable Approach, Elsevier LTD, Oxford |
| | 2 | Randal E. 2020: Computer Systems: A Programmer's Perspective 3/ed, Wydawnictwo Gamet Publishing, Londyn |
| | 3 | Ramya A. 2023: Fundamentals of Information Technology, Wydawnictwo MJP, Londyn |
| Additional literature | 1 | Dawson C. 2024: Projects in Computing and Information Systems: A Student's Guide, Wydawnictwo Pearson International, Poznań |

Conditions for passing the course

The condition for passing (Zo) the course entitled Computer Science is to pass projects (M011), practical tasks (M017) and continuous assessment of the student (M014).