

Subject card

Subject name and code	Introduction to IT Solutions for Business, PG_00177450						
Field of study	Informatics and Econometrics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	Master'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		English		
Semester of study	1		ECTS credits		4.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Business Informatics -> Faculty of Management -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Dorota Buchnowska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	45.0	0.0	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		3.0		52.0	100
Subject objectives	1. Familiarizing students with the types of business applications. 2. Familiarizing students with the functionality of business applications. 3. Familiarizing students with the benefits of using ICT solutions.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[liEMU2_U03] The student is able to obtain and verify data from properly selected sources and to collect, process, and visualize it using modern econometrics, informatics or statistics tools.		The student is able to operate information systems functioning in various areas of an enterprise. The student is able to demonstrate the operation of information systems and analyze the resulting benefits.		[SU2] presentation/project/paper/report [SU8] observation of student's independent or team work		
	[liEMU2_U12] The student can adapt, design, create, and operate IT systems that support business entities.		The student is able to analyze the information needs of business users and appropriately adapt the information system, as well as use it in a suitable manner.		[SU2] presentation/project/paper/report [SU8] observation of student's independent or team work		
	[liEMU2_W05] The student possesses advanced knowledge and understanding of informatics, statistics, and econometrics techniques and tools used to acquire, process, or visualise data to aid in decision-making and verify research hypotheses.		The student knows and characterizes information systems used in enterprises. The student explains how the use of selected information systems influences business processes in an enterprise.		[SW2] presentation/project/paper/report [SW5] implementation of a problem task		

Subject contents	1. Types of IT solutions for Business. 2. The market of IT solutions for Business. 3. Functionality of IT solutions in the area of warehouse management, supply and sales. 4. Functionality of IT solutions in the area of HR and payroll. 5. Functionality of IT solutions in the area of finance and accounting. 6. Functionality of IT solutions in the area of CRM. 7. Utilization of Automation Systems in Streamlining Business Processes 8. Utilization of AI Models in Streamlining Business Processes		
Prerequisites and co-requisites	Knowledge of business processes implemented in enterprises.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	final project	51.0%	50.0%
	tasks performed during classes	70.0%	50.0%
Recommended reading	Basic literature	1. Wrycza S., Maślankowski J., Informatyka ekonomiczna. Teoria i zastosowania, PWN, Warszawa 2019 2. Materials published on the MESTWIN Educational Portal.	
	Supplementary literature	Documentation of the information technologies used during the classes and in the final project.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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