

**Subject card**

<b>Subject name and code</b>	Introduction to IT Solutions for Business, PG_00177450						
<b>Field of study</b>	Informatics and Econometrics						
<b>Date of commencement of studies</b>	October 2026	<b>Academic year of realisation of subject</b>			2026/2027		
<b>Education level</b>	Master's studies	<b>Subject group</b>			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	1	<b>Language of instruction</b>			English		
<b>Semester of study</b>	1	<b>ECTS credits</b>			4.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			credit		
<b>Conducting unit</b>	Department of Business Informatics -> Faculty of Management -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr Dorota Buchnowska				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	0.0	0.0	45.0	0.0	0.0	45
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	<b>Number of study hours</b>	45		3.0		52.0	100
<b>Subject objectives</b>	<ol style="list-style-type: none"> <li>1. Familiarizing students with the types of business applications.</li> <li>2. Familiarizing students with the functionality of business applications.</li> <li>3. Familiarizing students with the benefits of using ICT solutions.</li> </ol>						
<b>Learning outcomes</b>	<b>Course outcome</b>		<b>Subject outcome</b>			<b>Method of verification</b>	
	[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	
	[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_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	

Subject contents	<ol style="list-style-type: none"> <li>1. Types of IT solutions for Business.</li> <li>2. The market of IT solutions for Business.</li> <li>3. Functionality of IT solutions in the area of warehouse management, supply and sales.</li> <li>4. Functionality of IT solutions in the area of HR and payroll.</li> <li>5. Functionality of IT solutions in the area of finance and accounting.</li> <li>6. Functionality of IT solutions in the area of CRM.</li> <li>7. Utilization of Automation Systems in Streamlining Business Processes</li> <li>8. Utilization of AI Models in Streamlining Business Processes</li> </ol>		
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
	tasks performed during classes	51.0%	40.0%
	final project	51.0%	60.0%
Recommended reading	Basic literature	<ol style="list-style-type: none"> <li>1. Wrycza S., Maślankowski J., Informatyka ekonomiczna. Teoria i zastosowania, PWN, Warszawa 2019</li> <li>2. Materials published on the MESTWIN Educational Portal.</li> </ol>	
	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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