University of Gdańsk

Subject card

Subject name and code	Introduction to IT Business Solutions, PG_00178700		
Field of study	Informatics and Econometrics		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2026/2027
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	part-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	Polish
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	24.0	0.0	0.0	24

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	24	1.0	75.0	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.
4. Familiarizing students with the possibilities of creating their own solutions using low-code platforms.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[IiEMU2_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
[IiEMU2_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
[IiEMU2_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

<table>
<tr><td>Subject contents</td><td>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
9. An introduction to building business applications using low-code platforms.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Knowledge of business processes implemented in enterprises.</td></tr>
<tr><td>Assessment methods and criteria</td><td><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>final project</td><td>51.0%</td><td>60.0%</td></tr><tr><td>tasks performed during classes</td><td>51.0%</td><td>40.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>1. Wrycza S., Maślankowski J., Informatyka ekonomiczna. Teoria i zastosowania, PWN, Warszawa 2019
2. Materials published on the MESTWIN Educational Portal.</td></tr><tr><td>Supplementary literature</td><td>Documentation of the information technologies used during the classes and in the final project.</td></tr><tr><td>eResources addresses</td><td></td></tr></table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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