



## Subject card

Subject name and code	BUSINESS INFORMATICS, PG_00053181						
Field of study	Economic Analytics						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2021/2022		
Education level	first-cycle 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	2	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Informatics in Management -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr Grażyna Musiatowicz-Podbiał					
	Teachers	dr Grażyna Musiatowicz-Podbiał					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	8.0	0.0	16.0	0.0	0.0	24
	E-learning hours included: 0.0						
	Address on the e-learning platform: <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=16540">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=16540</a> Adresy na platformie eNauczanie:						
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	5.0	46.0	75		
Subject objectives	Developing skills focused on information technology application in organizations.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_U02] Can use basic theoretical knowledge of economics and finance and obtain data to analyse processes and economic phenomena.	The student is able to use the acquired knowledge and tools necessary to analyze economic problems and apply IT solutions appropriate to these problems.			[SU1] Assessment of task fulfilment		
	[K6_K01] Understands the need for continuous learning, improving professional, personal and social competences.	The student understands the need of continuous knowledge replenishment, in the field of information technology, resulting from the variable phenomena nature and technology advancement.			[SK5] Assessment of ability to solve problems that arise in practice [SK2] Assessment of progress of work		
	[K6_W02] Knows how to describe economic phenomena using quantitative methods with the use of IT tools.	The student has the adequate knowledge on possibilities of information technology used in organizations.			[SW1] Assessment of factual knowledge		
	[K6_U07] Can use quantitative methods to analyse and solve economic problems using information technologies.	The student is able to use information technology to solve specific economic problems.			[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools		

Subject contents	<p>LECTURES:</p> <ol style="list-style-type: none"> <li>1. Applied informatics as a tool supporting an economic object.</li> <li>2. Information Theory.</li> <li>3. Data, information, knowledge, information capital, knowledge-based economy.</li> <li>4. Information attributes and information security breaches</li> <li>5. Information system: structure, typology, development trends.</li> <li>6. Information system life cycle.</li> <li>7. MRP (II) / ERP integrated systems.</li> <li>8. CRM systems. 9. Economic communication - e-business environment.</li> <li>9. Internet, portals, search engines.</li> <li>10. E-business environment, Electronic markets, Auctions</li> <li>11. E-economy, E-commerce, Web 2.0</li> <li>12. Omnichaneling; Search engines, Web 3.0, 4.0</li> <li>13. Virtual organizations.</li> </ol> <p>LABORATORIES</p> <ol style="list-style-type: none"> <li>1. Tables And Lists Sheet (Analytical Database Service),</li> <li>2. Credit and Investment Formulas,</li> <li>3. Discount and amortization formulas,</li> <li>4. Creating Custom Number Formats. Date and Time Functions,</li> <li>5. Arrays. Counting and Adding Techniques,</li> <li>6. Search Features,</li> <li>7. Final project</li> </ol>											
Prerequisites and co-requisites	Basic knowledge of spreadsheet											
Assessment methods and criteria	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Subject passing criteria</th> <th style="width: 33%;">Passing threshold</th> <th style="width: 33%;">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td>The laboratory evaluation (Test + Project)</td> <td>60.0%</td> <td>50.0%</td> </tr> <tr> <td>The results of knowledge test</td> <td>60.0%</td> <td>50.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	The laboratory evaluation (Test + Project)	60.0%	50.0%	The results of knowledge test	60.0%	50.0%
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Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> <li>1. What is the role of the IT system in an enterprise, depending on its industry?</li> <li>2. What are the possible applications of the Business Intelligence system?</li> <li>3. How do CRM systems support the decision making of production organization managers?</li> <li>4. Enumerate 5 benefits of MRP II system.</li> <li>5. What is intellectual capital and how can be used in the enterprise?</li> <li>6. What are the phases of IT system life cycle?</li> </ol>											
Work placement	Not applicable											