University of Gdańsk

Subject card

Subject name and code	Information Systems in Enterprise, PG_00200054		
Field of study	Economics		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2027/2028
Education level	Master's studies	Subject group	Obligatory subject group in the field of study Optional subject group 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	2	Language of instruction	Polish
Semester of study	4	ECTS credits	4.0
Learning profile	academic	Assessment form	exam
Conducting unit	Division of Electronic Economy -> Department of Maritime Transport and Seaborne Trade -> Faculty of Economics -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Zuzanna Borda	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	12.0	14.0	0.0	14.0	0.0	40

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	40	0.0	60.0	100

Subject objectives

The aim of the course lectures is to familiarize students with the role and function of information systems in the management of organizations. During the lectures, students will gain knowledge about the types of information systems, their architecture, functions and the ways in which they support decision-making and operational processes in enterprises. The latest technologies and trends in the development of information systems will also be discussed.

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONMU2_W03] has a knowledge of relations between economic phenomena, entities and organisations as well as public institutions functioning in the national, international and intercultural spheres	The student has in-depth knowledge of the relationships between economic entities and institutions, including in the context of information exchange and systems integration.	[SW4] test/exam - oral or written
	[EKONMU2_U14] can appropriately identify priorities and plan and organise tasks related to their implementation, as well as monitor and assess progress	The student can set priorities and plan, organize, and monitor activities related to the implementation and maintenance of information systems.	[SU4] test/exam - oral or written
	[EKONMU2_U15] can independently expand and improve acquired knowledge and skills in economics; is open to new ideas and techniques; tends to learn using any accessible method and to interact with other participants of the learning process	The student is able to independently develop knowledge of information systems in enterprises and is open to new methods and tools for their analysis and implementation.	[SU4] test/exam - oral or written
	[EKONMU2_W11] knows the detailed principles of establishing and developing forms of individual entrepreneurship, using the knowledge of economics, finance and management sciences	The student knows detailed principles of starting and developing businesses, using information systems to support decision-making and operational processes.	[SW4] test/exam - oral or written
	[EKONMU2_K04] is ready to think and act in an entrepreneurial manner; adapts to new situations and conditions; undertakes challenges of creative thinking; acquires resilience to failures; can assess risks and threats and find ways of counteracting their effects	The student is ready to act entrepreneurially, demonstrating flexibility and creativity in adapting to new information technologies and addressing associated risks while preparing a group project in consultation with the instructor.	[SK2] presentation/project/paper/ report [SK4] test/exam - oral or written
	[EKONMU2_W04] has an in-depth knowledge of different types of economic and social ties and regularities governing them; has an in-depth knowledge of economic and financial ties between enterprises	The student understands the economic and financial ties between enterprises, including the role of information systems in maintaining and developing them.	[SW4] test/exam - oral or written
	[EKONMU2_K05] correctly identifies, diagnoses and solves advanced dilemmas and alternative solutions related to the profession	The student is able to identify and resolve professional dilemmas related to the implementation and use of information systems in business operations.	[SK4] test/exam - oral or written
	[EKONMU2_W08] has an in-depth knowledge of processes occurring in enterprises and economic organisations and with related areas, as well as of processes of change in public institutions; knows methods of research on the regularities governing these changes, taking into account the influence of external stakeholders on them	The student has in-depth knowledge of how enterprises operate and transform under the influence of information systems, taking into account the impact of external stakeholders.	[SW4] test/exam - oral or written
	[EKONMU2_U13] can manage teamwork as well as interact and work in a team (including in an international environment) assuming a leading role in it	The student is able to lead a team working on tasks related to information systems, including in an international environment.	[SU4] test/exam - oral or written

<table>
<tr><td>Subject contents</td><td>Topic 1: Introduction to information systems

Topic 2: Types of information systems

Topic 3: Architecture of information systems

Topic 4: Business Intelligence (BI)

Topic 5: ERP (Enterprise Resource Planning) systems

Topic 6: CRM systems (Customer Relationship Management)

Topic 7: Security and data protection

If you have any further questions or concerns, feel free to come to my consultation hours.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>To attend lectures, students should have basic computer skills. Knowledge of basic IT tools and the ability to effectively use the Internet and office applications are necessary to fully understand the material discussed during lectures.</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>Individual or group project</td><td>51.0%</td><td>30.0%</td></tr><tr><td>Exam</td><td>51.0%</td><td>70.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>Laudon, K. C., Laudon, J. P., Management Information Systems: Managing the Digital Firm, Pearson, Boston, 2020.

OBrien, J. A., Marakas, G. M., Introduction to Information Systems, McGraw-Hill Education, New York, 2016.

Turban, E., Volonino, L., Information Technology for Management: Advancing Sustainable, Profitable Business Growth, Wiley, Hoboken, 2019.</td></tr><tr><td>Supplementary literature</td><td>Stair, R., Reynolds, G., Principles of Information Systems, Cengage Learning, 2019.

Gallaugher, J., Information Systems: A Managers Guide to Harnessing Technology, FlatWorld, 2020.

Haag, S., Cummings, M., Management Information Systems for the Information Age, McGraw-Hill Education, 2014.</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>
</table>

Document generated electronically. Does not require a seal or signature.