University of Gdańsk

Subject card

Subject name and code	Information Systems in Company Management, PG_00199039		
Field of study	Economics		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2028/2029
Education level	Bachelor'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	full-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	Polish
Semester of study	5	ECTS credits	2.0
Learning profile	academic	Assessment form	credit
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	15.0	15.0	0.0	0.0	0.0	30

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	30	4.0	16.0	50

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
[EKONL3_W03] knows the relations between economic agents and social organisations operating in the national, international and intercultural arenas	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
[EKONL3_W02] has an advanced knowledge of the different types of existing business entities and organisations and public institutions	The student has advanced knowledge of various types of economic entities and public institutions, as well as the role of information systems in their functioning and integration.	[SW4] test/exam - oral or written
[EKONL3_U04] can predict and forecast the course of economic and social processes and phenomena	The student can forecast economic processes based on data generated and processed within information systems.	[SU4] test/exam - oral or written
[EKONL3_K06] is willing to be guided in his professional life by business ethics and corporate social responsibility, to respect others and to be loyal to his employer	The student adheres to principles of ethics and corporate social responsibility in working with information systems, respecting user rights and organizational interests.	[SK4] test/exam - oral or written
[EKONL3_K05] correctly identifies, diagnoses and resolves professional dilemmas and different options for solutions	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
[EKONL3_U02] is able to use the knowledge of theory and data to analyse concrete economic and social processes and phenomena and to analyse these phenomena using methods developed in economics, finance and management sciences	The student can apply theoretical knowledge and data to analyze economic processes using information system tools and management methods.	[SU4] test/exam - oral or written

Subject contents

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

To further develop the concepts discussed during the lectures, students may take advantage of consultation hours.

Prerequisites and co-requisites

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.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Exam	51.0%	100.0%

Recommended reading	Basic literature	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.
	Supplementary literature	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.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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