



Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00070847						
Field of study	Economic Analytics						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2028/2029		
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	Full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish polish		
Semester of study	6		ECTS credits		4.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Informatics In Management -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Radosław Drozd				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	30.0	0.0	0.0	45
	E-learning hours included: 0.0						
	eNauczanie source address: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=46502						
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	45		3.0		52.0	100
Subject objectives	to prepare students to independently plan, implement and monitor the use of enterprise information systems to achieve strategic goals and support digital transformation of the enterprise, based on knowledge of the typology and functioning of information systems and business processes. The aim is also to develop attitudes related to ethical and responsible use of digital technology to support enterprise management in the digital society and economy context.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W03] is familiar with reliable sources of information and employs advanced knowledge to explain the fundamental dilemmas of the contemporary economy		knows reliable sources of information used in enterprise information systems and understands their role in analyzing and explaining contemporary economic problems.		[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation		
	[K6_U05] leverages the knowledge acquired in the field of economic analytics to solve challenging problems, achieving results that are economically and socially valuable.		is able to use enterprise information systems to solve complex organizational and economic problems, developing solutions that lead to economically and socially valuable outcomes.		[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task		

Subject contents	Course content – lecture 1. Introduction - digital enterprise 2. Typology - types of enterprise information systems 3. Organization - impact of organization on information systems 4. Society - digital enterprise in the society 5. Economy - digital enterprise in the economy		
	Course content – laboratory 1. Sales and distribution 2. Materials management 3. Production planning and execution 4. Financial accounting accounts receivable 5. Quality management		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Project	60.0%	20.0%
	Exam	60.0%	50.0%
	Activity during lecture	0.0%	5.0%
	SAP modules	60.0%	25.0%
Recommended reading	Basic literature	1. Kenneth C. Laudon and Jane P. Laudon. (2022). Management information systems: Managing the digital firm. 17th edition. Pearson Education. 2. Introduction to SAP S/4HANA. Next Generation Business Suite, Last Update: July 2023, ©2023 SAP SE / SAP UCC Magdeburg	
	Supplementary literature	1. Erik Brynjolfsson, Andrew McAfee. The Second Machine Age - Work, Progress, and Prosperity in a Time of Brilliant Technologies. Norton. 2016	
	eResources addresses		
Example issues/ example questions/ tasks being completed	• What are the strategic goals of enterprise information systems? • How does the information system realize value for the enterprise? • What disciplines study information systems and what do each of them bring? • How are business processes related to information systems? • How do information systems join and improve the effectiveness of an enterprise? • What is the role of information systems function in an enterprise? • How does organization influence the creation and use of information systems? • How do information systems affect the operation of the organization? • What are the ethical, social and political problems related to information systems? • What challenges does contemporary technology create for individual privacy? • What challenges does contemporary technology create for intellectual property? • How do information systems affect individual rights and obligations? • What are the main characteristics of digital commerce? • What are the digital commerce business and revenue models? • How does digital commerce transform marketing and transactions?		
Practical activities within the subject	Not applicable		

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