GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	INFORMATION SYSTEMS MANAGEMENT, PG_00037893					
Field of study	Management					
Date of commencement of studies	October 2022		Academic year of realisation of subject		2023/2024	
Education level	second-cycle studies		Subject group		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	2		Language of instruction		English	
Semester of study	3		ECTS credits		2.0	
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		mgr Jaromir Durkiewicz			
	Teachers		mgr Jaromir Durkiewicz			

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	0.0	0.0	30
	E-learning hours included: 0.0						
	Additional information:						

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 goal of this course is introduction to the field of information system analysis, design and implementation, as well as programming for such systems.

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K7_W02] has an in-depth knowledge of classical and modern management concepts and their application in the management of modern organizations of various types	Student knows the main types of ICT management systems (ERP, CRM, BI) and knows the foundations of business process modelling.	[SW1] Assessment of factual knowledge
	[K7_U02] analyses complex economic processes and phenomena using selected methods and techniques for analysing socio-economic data, and formulates their own opinions and conclusions concerning these processes and phenomena	Student knows what information systems are and what they are used form; student can analyse specific managerial and business problems and work out a ICT-based solution.	[SU1] Assessment of task fulfilment

Subject contents	First part of the course is devoted to the topic of algoruthms and Python programming. Next part is focused on IT systems and business process modeling. Third part is project-oriented: student analyses and works out an ICT solution (using Python) to the given managerial problem (e.g. a company's stock management).

Prerequisites and co-requisites	Ability to handle a PC and think in a logical manner.

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Project	0.0%	30.0%
	Test	60.0%	70.0%

Recommended reading	Basic literature	F. Romano, "Learn Python Programming. The no-nonsense, beginner's guide to programming, data science, and web development with Python 3.7 - Second Edition", PACKT Publishing, 2018
		D. Bourgeois, "Information Systems for Business and Beyond", The Saylor Foundation, 2014
		U. Gelinas, S. Sutton, J. Federowicz, "Business Processes and Information Technology", Global Text Project, 2008
	Supplementary literature	S. Wrycza, J. Maślankowski (red)., "Informatyka ekonomiczna. Teoria i zastosowania", PWN, 2019
	eResources addresses	Uzupełniające Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Analyze the operation of a menswear store regarding its business processes. Develop an application to support the bank customer account management.	
Work placement	Not applicable	