



Subject card

Subject name and code	ICT in Management, PG_00049701						
Field of study	Management						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2023/2024		
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	2		Language of instruction		English English		
Semester of study	4		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						
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	Acquiring the skill of solving managerial and economic problems by means of various IT tools. Understating the fundamental problems of IT application in management.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W07] knows statistical and IT methods and tools that enable to obtain and present data on the organisation's resources		Student can identify a problem and elaborate a right way of solving it.		[SW1] Assessment of factual knowledge		
	[K6_U05] uses basic methods and tools to describe and analyse the organisation's environment		Student can analyse a problem and come to the right conclusions, supported by the use of relevant tools.		[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject [SU5] Assessment of ability to present the results of task [SU2] Assessment of ability to analyse information		
Subject contents	- Fundamental concepts of algorithms and programming - Introduction to Python programming language - Python in problem-solving - Object-oriented programming - Preview of main problems of IT in management - Management information systems - Business process modelling						
Prerequisites and co-requisites	Computer literacy, knowledge of English, logical thinking, willingness to acquire new knowledge.						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	final assignment	60.0%	25.0%
	test	60.0%	75.0%
Recommended reading	Basic literature	D. Bourgeois, Information Systems for Business and Beyond, The Saylor Foundation, 2014 U. Gelinas, S. Sutton, J. Fedorowicz, Business Processes and Information Technology, Global Text Project, 2008 F. Romano, H. Kruger, Learn Python Programming (3rd Edition), PACKT Publishing, 2018	
	Supplementary literature	Additional resources disclosed, meant to accompany particular topics.	
	eResources addresses	Adresy na platformie eNauczanie: ICT in Management - Spring 2024 - Moodle ID: 36507 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36507	
Example issues/ example questions/ tasks being completed	In which way, in Python, can you repeat some sequence of operations as long as a certain condition is met? How does Python handle class inheritance? How can one use recursion to compute a specific Fibonacci number? What are ERP information systems? What parameters are needed to describe a business process?		
Work placement	Not applicable		

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