



COURSE SPECIFICATION

Course code	full-time studies	Z-ZB-E-503
	part-time studies	-
Course title in English	IT in Business	
Course title in Polish	Informatyka w biznesie	
Valid from academic year	2025/2026	

PLACEMENT IN THE TEACHING PROGRAM

Programme of study	BUSINESS MANAGMENT
Level of education	1st degree
Studies profile	academic
Form and mode of study	full-time programme
Scope	all
Academic unit responsible for the course	Department of Information Technology
Course coordinator	dr inż. Dariusz Dobrowolski
Approved by	dr hab. inż. Dariusz Bojczuk, prof. uczelni

GENERAL CHARACTERISTIC OF THE COURSE

Teaching block		Directional subject
Course status		Obligatory
Language of instruction		English
Semester of delivery	full-time studies	Semester V
	part-time-studies	-
Prerequisites		The Fundamentals of Computer Science, Internet technologies, Databases
Exam (YES/NO)		YES
ECTS		5

Method of conducting classes		lecture	classes	laboratory	project	other
Number of hours per semester	full-time	30		30		
	part-time					



LEARNING OUTCOMES

Category	Outcome code	Course learning outcomes	Reference to the directional learning effect
Knowledge	W01	The student has basic knowledge of the applications of computer science in various fields of economy, education, medicine and agriculture.	ZB1_W09
	W02	The student knows and understands the principles of operation of enterprises in the global economy, supported by IT systems tailored to their needs.	ZB1_W08
Skills	U01	The student is able to use IT systems and tools in the area of operation of a given enterprise, and is able to adapt IT systems to the needs of the enterprise.	ZB1_U01
	U02	The student has creative skills in selecting appropriate IT solutions for enterprise management in strategic, tactical and operational aspects.	ZB1_U05 ZB1_U11
Social competences	K01	The student is able to think and act in an entrepreneurial way, taking into account his knowledge of the application of IT solutions, and understands the need to constantly update his knowledge.	ZB1_K02 ZB1_K04
	K02	The student is able to work independently and make decisions, as well as to function properly in a group (taking on various roles in it).	ZB1_K03 ZB1_K08

COURSE CONTENT

Method of conducting classes	Course content
lecture	During the lectures, the applications of IT systems in business will be analyzed in the field of: <ul style="list-style-type: none"> • trading systems, • management information systems, • decision support systems, • management support systems. used in various areas of the economy.
laboratory	During the laboratory, an IT system will be built for the needs of each student's specific economic sector: industry, education, medicine, financial institutions, etc.

METHODS FOR VERIFYING LEARNING OUTCOMES

Outcome code	Learning outcomes verification methods					
	Oral examination	Written examination	Test	Project	Report	Other
W01		X				
W02		X				
U01						X
U02						X
K01						X
K02						X



FORM AND CONDITIONS OF ASSESSMENT

Form of classes	Assessment type	Assessment Criteria
lecture	Examination	Positive grade: minimum 60% of points on the exam
laboratory	Credit with grade	Positive assessment: minimum 60% of points for the description of the implementation and implementation (in virtual form) of the selected IT system and assessment of its functionality for a specific enterprise

STUDENT WORKLOAD

ECTS Balance							
No.	Activity type	Student workload					Unit
		full-time					
1.	Scheduled contact hours	W	C	L	P	S	h
		30		30			
2.	Other (consultations, exams)	4		2			h
3.	Total number of contact hours	66					h
4.	Number of ECTS credits for contact hours	2,6					ECTS
5.	Number of hours of independent student work	59					h
6.	Number of ECTS points that a student obtains through independent work	2,4					ECTS
7.	Workload related to practical classes	63					h
8.	Number of ECTS credit points which a student receives for practical classes	2,5					ECTS
9.	Total number of hours of a student's work	125					
10.	ECTS credits for the course <i>1 1 ECTS credit =25 student learning hours</i>	5					ECTS

W - LECTURE C - CLASSES L - LABORATORY P - PROJECT S - SEMINAR

READING LIST

1. Targett D., Grimshaw D., Powell P., *IT in Business: A Business Manager's Casebook*, O'Reilly, 2013
2. Turban E., *Information Technology for Management: Driving Digital Transformation to Increase Local and Global Performance, Growth and Sustainability* Wiley, 2021
3. Gibadullin A., *Digital and Information Technologies in Economics and Management (Lecture Notes in Networks and Systems)*, Springer, 2023