Kielce University of Technology

FACULTY OF MANAGEMENT AND COMPUTER MODELLING

COURSE SPECIFICATION

Course code	full-time studies	**Z-ZB-E-609a**
	part-time studies	**-**
Course title in English	**Use of IT Tools in Risk Management**	
Course title in Polish	**Wykorzystanie narzędzi informatycznych w zarządzaniu ryzykiem**	
Valid from academic year	**2025/2026**	

PLACEMENT IN THE TEACHING PROGRAM

Programme of study	**BUSINESS MANAGAMENT**
Level of education	**1st degree**
Studies profile	**academic**
Form and mode of study	**full-time programme**
Scope	**risk management**
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		**Specialist subject**
Course status		**Obligatory**
Language of instruction		**English**
Semester of delivery	full-time studies	**Semester VI**
	part-time-studies	**-**
Prerequisites		**Introduction to risk management, Application of simulation methods in risk quantification, Computer science in business**
Exam (YES/NO)		**NO**
ECTS		**2**

Method of conducting classes		lecture	classes	laboratory	project	other
Number of hours per semester	full-time			**24**		
	part-time					

LEARNING OUTCOMES

Category	Outcome code	Course learning outcomes	Reference to the directional learning effect
Knowledge	W01	The student knows and understands the essence of risk in business activity companies and financial institutions and dependencies between its different types.	ZB1_W02
	W02	The student knows and understands the methods of risk measurement and assessment.	ZB1_W03 ZB1_W06
	W03	The student knows and understands how to protect yourself against risk.	ZB1_W07 ZB1_W09
Skills	U01	The student is able to identify risk factors and sources.	ZB1_U11
	U02	The student is able to compare and assess the usefulness of individual general methods of risk assessment in a given entity economic.	ZB1_U05 ZB1_U11
	U03	The student is able to indicate the relationships between the effects ness and risk.	ZB1_U08 ZB1_U13
Social competences	K01	The student is able to complete information independently and critically acquired during classes.	ZB1_K02 ZB1_K05
	K02	The student is able to think in an entrepreneurial and innovative way seek a favorable solution to the conflict.	ZB1_K01
	K03	The student is able to work and make decisions related to the negotiation process under stressful conditions uncertainty.	ZB1_K04

COURSE CONTENT

Method of conducting classes	Course content
laboratory	Implementation of a designed solution supporting ream management in the company (independently, in teams of 3-4 people) using the state of available IT tools

METHODS FOR VERIFYING LEARNING OUTCOMES

Outcome code	Learning outcomes verification methods					
	Oral examination	Written examination	Test	Project	Report	Other
W01				X		
W02				X		
W03				X		
U01						X
U02						X
U03						X
K01						X
K02						X
K03						X

FORM AND CONDITIONS OF ASSESSMENT

Form of classes	Assessment type	Assessment Criteria
laboratory	Credit with grade	Development of risk management instructions for the indicated company economic organization (manufacturing enterprise, service, agricultural farm).

STUDENT WORKLOAD

No.	Activity type	Student workload full-time W	C	L	P	S	Unit
1.	Scheduled contact hours			24			h
2.	Other (consultations, exams)			2			h
3.	**Total number of contact hours**			**26**			h
4.	**Number of ECTS credits for contact hours**			**1,0**			ECTS
5.	**Number of hours of independent student work**			**24**			h
6.	**Number of ECTS points that a student obtains through independent work**			**1,0**			ECTS
7.	**Workload related to practical classes**			**50**			h
8.	**Number of ECTS credit points which a student receives for practical classes**			**2,0**			ECTS
9.	**Total number of hours of a student's work**			**50**			
10.	**ECTS credits for the course** *1 1 ECTS credit =25 student learning hours*			**2**			ECTS

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

READING LIST

1. Blokdyk G., *Risk Management Tools A Complete Guide - 2020 Edition,* 5STARCooks, 2021
2. Rees M., *Business Risk and Simulation Modelling in Practice: Using Excel, VBA and @RISK*, Wiley, 2015
3. Vose D., *Risk Analysis: A Quantitative Guide*, Wiley, 2012