Kielce University of Technology

FACULTY OF MANAGEMENT AND COMPUTER MODELLING

COURSE SPECIFICATION

Course code	full-time studies	**Z-ZB-E-508a**
	part-time studies	**-**
Course title in English	**Operational and financial risk management**	
Course title in Polish	**Zarządzanie ryzykiem operacyjnym i finansowym**	
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 Economics and Finance**
Course coordinator	**mgr Krzysztof Łusiakowski**
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 V**
	part-time-studies	**-**
Prerequisites		**Fundamentals of Finance, Management and Organization, Introduction to risk management**
Exam (YES/NO)		**YES**
ECTS		**4**

Method of conducting classes		**lecture**	**classes**	**laboratory**	**project**	**other**
Number of hours per semester	full-time	**15**	**15**		**15**	
	part-time					

LEARNING OUTCOMES

Category	Outcome code	Course learning outcomes	Reference to the directional learning effect
Knowledge	W01	The student has knowledge of the types of risk occurring in the activities of business entities, in particular operational and financial risk.	ZB1_W04
	W02	The student knows methods and instruments of operational and financial risk management.	ZB1_W06 ZB1_W07
	W03	The student has knowledge of managing the financial liquidity risk of the organisation.	ZB1_W07 ZB1_W08
Skills	U01	The student is able to identify sources of risk occurring in the activity of business entities.	ZB1_U01 ZB1_U02
	U02	The student is able to use methods and instruments of operational and financial risk management in practice.	ZB1_U02 ZB1_U03
	U03	The student is able to analyse, interpret and evaluate phenomena and processes of financial liquidity risk management in practice.	ZB1_U03 ZB1_U04
Social competences	K01	The student is able to work and communicate in a group on a joint task.	ZB1_K02
	K02	The student is able to take adequate decisions under risk and uncertainty conditions.	ZB1_K04

COURSE CONTENT

Method of conducting classes	Course content
lecture	Classification of risks in the activities of business entities. Operational risk and its typology. Methods and instruments of operational risk management in a pre-enterprise and financial institution. Definition and classification of financial risk. Comprehensive presentation of all types of financial risk: credit risk, liquidity risk, legal risk, business risk, market risk (currency risk, interest rate risk, commodity price risk). Financial risk management in an enterprise (sources, assessment, measurement methods, management instruments). Financial risk management in a bank (sources, assessment, measurement methods, management instruments). Enterprise bankruptcy risk management. Derivatives in financial risk management of a business entity.
classes	Measurement methods and instruments to reduce operational risk (case study). Measurement methods and instruments for managing credit risk (examples, case studies). Identification, measurement and management of currency and interest rate risks (examples, case studies). Financial and investment decisions as a source of financial risk in a company (examples, case studies).
project	Analysis and assessment of operational risk in a listed company (case study). Strategies for managing the liquidity risk of a company (case studies and papers).

METHODS FOR VERIFYING LEARNING OUTCOMES

Outcome code	Learning outcomes verification methods					
	Oral examination	Written examination	Test	Project	Report	Other
W01		X	X			
W02		X	X			
W03		X	X			

U01		X	X	X		
U02		X		X		
U03				X		
K01				X		X
K02				X		X

FORM AND CONDITIONS OF ASSESSMENT

Form of classes	Assessment type	Assessment Criteria
lecture	Examination	Achieving at least 50% of the marks in the examination.
classes	Credit with grade	Obtaining at least 50% of the points from the credit colloquium.
project	Credit with grade	Obtaining positive marks in: presentation of the paper, prepared analyses and liquidity risk assessments.

STUDENT WORKLOAD

ECTS Balance							
No.	**Activity type**	**Student workload**					**Unit**
		full-time					
1.	Scheduled contact hours	W	C	L	P	S	h
		15	**15**		**15**		
2.	Other (consultations, exams)	**4**	**2**		**2**		h
3.	**Total number of contact hours**	**53**					h
4.	**Number of ECTS credits for contact hours**	**2,1**					ECTS
5.	**Number of hours of independent student work**	**47**					h
6.	**Number of ECTS points that a student obtains through independent work**	**1,9**					ECTS
7.	**Workload related to practical classes**	**67**					h
8.	**Number of ECTS credit points which a student receives for practical classes**	**2,7**					ECTS
9.	**Total number of hours of a student's work**	**100**					
10.	**ECTS credits for the course** *1 1 ECTS credit =25 student learning hours*	**4**					ECTS

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

READING LIST

1. Chapelle, A. (2019). *Operational risk management: Best practices in the financial services industry*. John Wiley & Sons.
2. Hussain, A. (2000). *Managing operational risk in financial markets*. Butterworth-Heinemann.
3. Fraser J., Simkins B., (2010), *Enterprise Risk Management,* John Wiley & Sons, New Jersey