Kielce University of Technology
FACULTY OF MANAGEMENT AND COMPUTER MODELLING

COURSE SPECIFICATION

Course code	full-time studies	**Z-ZB-E-512a**
	part-time studies	**-**
Course title in English	**Information security management**	
Course title in Polish	**Zarządzanie bezpieczeństwem informacji**	
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 Management and Organization**
Course coordinator	**mgr inż. Artur Tusień**
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		**Internet technologies**
Exam (YES/NO)		**NO**
ECTS		**2**

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

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LEARNING OUTCOMES

Category	Outcome code	Course learning outcomes	Reference to the directional learning effect
Knowledge	W01	The student has knowledge in the implementation and improvement of information security management systems.	ZB1_W03 ZB1_W08
	W02	The student has knowledge of the basics of conducting security audits on the basis of the PN-ISO/IEC 17799 and ISO 27001 standards.	ZB1_W08
	W03	The student has knowledge of the legal acts related to information security in force in public and non-public institutions.	ZB1_W03 ZB1_W08
Skills	U01	The student has the skills related to conducting security risk analyses of processed information in public and private institutions.	ZB1_U03
	U02	The student is skilled in the implementation of security policies in institutions.	ZB1_U05
	U03	The student has skills related to conducting information security audits.	ZB1_U05
Social competences	K01	The student is able to analyse changing environmental conditions and make appropriate decisions related to the security of processed information.	ZB1_K02
	K02	The student is able to expand his/her knowledge of new technologies and legal acts related to information security.	ZB1_K04
	K03	The student is able to work in a group, to perform an over-seeing role in risk analysis teams, or the implementation of the ISMS.	ZB1_K04

COURSE CONTENT

Method of conducting classes	Course content
lecture	Systematic approach to information security management according to ISO 27001: establishment of an Information Security Management System (ISMS), implementation and operation of the ISMS, monitoring and review of the ISMS, maintenance and improvement of the ISMS, risk analysis of processed information. Audit of information security management systems: preparation of documentation and conduct of audits in accordance with ISO 19011, conduct of information security audits in accordance with ISO 27001, audit reports. Protection of classified information: ways of protecting and processing classified information applicable in Poland, requirements related to the protection of the processing of classified information in IT systems.
project	Carrying out a team project on conducting a risk analysis and establishing an Information Security Management System in an institution, the principles of which will be defined by the lecturer

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
lecture	Credit with grade	Obtaining at least 50% marks in the final colloquium.
project	Credit with grade	Obtaining at least a pass mark on the team project.

STUDENT WORKLOAD

No.	Activity type	Student workload					Unit
		full-time					
1.	Scheduled contact hours	W	C	L	P	S	h
		15			15		
2.	Other (consultations, exams)	2			2		h
3.	**Total number of contact hours**	34					h
4.	**Number of ECTS credits for contact hours**	1,4					ECTS
5.	**Number of hours of independent student work**	16					h
6.	**Number of ECTS points that a student obtains through independent work**	0,6					ECTS
7.	**Workload related to practical classes**	25					h
8.	**Number of ECTS credit points which a student receives for practical classes**	1,0					ECTS
9.	**Total number of hours of a student's work**	50					h
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. Tipton, H. F., & Krause, M. (2007). *Information security management handbook*. CRC press.
2. Whitman, M. E., & Mattord, H. J. (2019). *Management of information security*. Cengage Learning.
3. Peltier, T. R. (2016). *Information Security Policies, Procedures, and Standards: guidelines for effective information security management*. CRC press)