DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Information System Control and Revision				
Study programme	Specialist professional graduate study of Information Technology in Business Systems				
Status of a course	Obligatory				
Year of study	1	Semester (Winter/Summer)	S	ECTS credits	4

Goals of a course

Introducing students to the basic knowledge, skills and competencies needed to carry out the control and audit of information systems and the importance of the same within a business organization.

Conditions for enrolling course

No conditions

Learning outcomes on a level of a study programme which includes course

Outcome 4: Apply quality standards to the process of the development of business information systems.
Outcome 5: Apply standards and methods of controlling and auditing the business information system.
Outcome 8: Apply methods and techniques for managing security and data protection in information and communication systems.
Outcome 15: Analyse and recommend the use of IT tools within a business organization.
Outcome 16: Assess the place and role of ICT in the context of organization, management and business processes.
Outcome 17: Present development and software solutions within a business organization.

Expected learning outcomes on a level of a course

1. Distinguish and explain basic concepts of information system control and audit as part of business system management
2. Define and describe controls by individual life cycle stages and components of an information system in business operations
3. Explain the process of auditing an information business system and describe the audit software tools, standards, and methods
4. Apply standards, methods and software tools to control and audit a business information system

Content of a course

Information systems' life cycle. Information system quality evaluation. Relationship between business and information system. Concept of and the need for control and revision of information systems. Control as a component of information system management. Procedures and methods of information system revision. Controls in information system development procedure. Data controls. Security management controls. Communications controls. Databases controls. Collecting data. Revision software tools. Expert revision systems. Measurement of information system characteristics. Evaluation of revision and control results. Managing function of information system revision. Protection of data privacy. Virtual organizations.

Teaching modes	☒ lectures ☐ auditory exercises ☒ seminars and workshops ☐ distance learning ☐ field classes	☒ individual assignments ☐ multimedia and network ☐ laboratory ☐ supervisor's work ☐ other _____

Grading, evaluation and monitoring of students' work continuously during lectures and exams

Grading is based upon evaluation course's learning outcomes' adoption. Grading is performed continuously during lectures and/or during exam, in compliance with the provisions of Regulation on the assessment of students.