

## DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Information System Planning				
Study programme	Specialist professional graduate study of Information Technology in Business Systems – Major: Business Information Systems				
Status of a course	Obligatory				
Year of study	2	Semester (Winter/Summer)	W	ECTS credits	4
Goals of a course					
Acquire competencies to develop a strategic plan for the development of an information system.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
Outcome 1: Apply information and communication systems design methods. Outcome 4: Apply quality standards to the process of the development of business information systems. Outcome 5: Apply the 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 10: Explain the basic concepts of computer-controlled complex, process and production systems. Outcome 11: Apply strategic planning methods for the development of information and communication systems. Outcome 14: Organize and lead teamwork in the field of business information systems. Outcome 15: Analyse and recommend the use of IT tools within a business organization.					
Expected learning outcomes on a level of a course					
1. Apply vision-phase methods as part of the information system planning process 2. Apply analysis-phase methods as part of the information system planning process 3. Apply orientation-phase methods as part of the information system planning process 4. Apply recommendation-phase methods as part of the information system planning process 5. Prepare a strategic plan for an information system development					
Content of a course					
Business strategy and information system. Influence of business strategy on the development of IS and evaluation of IT. Dependence of a company business operations on IS/IT. Factors of business strategy and their role in strategic planning of IS. Reorganization of business operations. Principles of reorganization. Methods of IS strategic planning. Goals and results of IS strategic planning. Formalization of the problem of strategic planning and mode of its implementation. IS structure optimization, time and development costs optimization. Business system and its IS performance evaluation. Operating costs calculated on the basis of activity analysis. Balanced system of success measurement with examples for profitable and non-profitable organizations.					
Teaching modes	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> auditory exercises <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> distance learning <input type="checkbox"/> field classes		<input checked="" type="checkbox"/> individual assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> supervisor's work <input type="checkbox"/> 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.					