

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Information System for Management and Decision-making support				
Study programme	Professional undergraduate study Information Science				
Status of a course	Elective				
Year of study	3	Semester (Winter/Summer)	W	ECTS credits	5
Teaching plan (L + E + S+ Pr)	2+2+0+0				
Goals of a course					
Adopt concepts of business management area with the support of business analysis software and methods.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
Outcome 2: Apply business information system design methods. Outcome 4: Develop an application solution for the Internet and desktop environment. Outcome 14: Apply mathematical and statistical methods in information science.					
Expected learning outcomes on a level of a course					
<ol style="list-style-type: none"> 1. Categorize decision-making problems and relate them to the level and type of decision-making 2. Analyse information system functions that influence decision-making and management 3. Explain parts of the decision-making support system 4. Apply statistical methods 5. Generate reports using multidimensional analysis 6. Create a survey questionnaire and interpret the obtained results 7. Build an interactive multi-criteria decision-making model 					
Content of a course					
<p>Information systems for management support. Systems for decision support. Systems for group decision support. Data warehouses. Data warehouses methodology development. Systems for analytical data processing. Data mining. Expert systems. Bases of knowledge.</p> <p>Students perform tasks of collecting and presenting information for management and decision support. Every task is presented and evaluated.</p>					
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.					

