



**MANAGEMENT OF INFORMATION SYSTEMS**

<b>Credit points</b>	5 CP		
<b>Semester when the course is delivered</b>	3 <sup>rd</sup> semestr		
<b>Study course annotation</b>	To provide knowledge of information system management tools, as well as to gain practical skills in the use of information technology. To build the student's competence in the management of information systems, basic concepts and technical support of information technologies, to stimulate interest in current trends in the development of information systems and technologies.		
<b>The aim of the course</b>	The aim of the course is to teach students to understand the relationship between company management, strategy issues and information technology for making the best decisions and solving tasks. During the studies, students playing the role of a real manager with full responsibility should learn how modern information technologies can be transferred to the work of a real company manager. To teach information technologies for information acquisition, processing and decision-making according to a real situation in real time.		
<b>Description of the results of the study course and assessment criteria:</b>	<b>Knowledge</b>	<b>Skills (knowledge, communication, general skills)</b>	<b>Competence (analysis, generalization and evaluation)</b>
	To learn the theoretical principles of information systems To give knowledge about the types of information systems of companies and the principles of their organization, the justification of the need for IS	Prepare students to determine the company's information flows, their volume and ways of processing these flows; Learn the security policy of information systems, as well as the risks related to it; To provide knowledge about the Internet and e-commerce types, as well as their role in the operation of company information systems.	Knows the theoretical principles of information systems. Able to describe the company's information flows, their volume and ways of processing these flows. Knows the types of company information systems and their organization principles. Knows the security policy of the company's information systems, as well as the risks associated with it. Knows the role of the Internet and e-commerce in the operation of information systems.
<b>Content of the course</b>	<b>Topics</b>		
	1	Characteristics of information systems and their role	
	2	Information systems environment (information systems strategy and organization, IS identification procedures, acquisition process, security and confidentiality requirements, system operation and control);	
	3	Systems development (systems analysis, system development technique, system structure, confidentiality and operation);	
	4	System implementation, management and development (project management, system implementation, system maintenance and development).	
	5	Internet and e-commerce	



<b>Form of assessment:</b>	Exam
<b>Required reading:</b>	
<ol style="list-style-type: none"><li>1. O'Brien, J., Marakas, G. Management Information Systems. McGraw-Hill/Irwin, 2010, 704 p.</li><li>2. Avison, David E., Fitzgerald G. Information Systems Development: Methodologies, Techniques and Tools. McGraw Hill Higher Education, 2008, 656 p.</li><li>4. Havey Michael. Essential Business Process Modeling. O'Reilly Media, 2005, 350 p.</li><li>5. Kendall, K., Kendall, J. System Analysis and Design. Prentice Hall, 2010, 600 p</li></ol>	
<b>Recommended reading:</b>	
<ol style="list-style-type: none"><li>1. Robina P. Informācijas menedžments. – R.: Jumava. 2006.- 256 lpp.</li><li>2. Jessup L., Valacich J. Information Systems Today: Why IS Matters. 2 ed. Pearson Education, Inc. 2006</li><li>3. Kenneth C. Laudon, Jane P. Laudon. Management Information Systems. Sixth Edition. Organization and Technology in the Networked Enterprise.- N.J.: Prentice Hall, 2000</li></ol>	
<b>Other information sources:</b>	
Laws regulating work with IT.	
Internet resources. Periodic expenses.	
During the study process changes and additions to the program and the list of references are possible	