

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Ergometrics and Computer Use				
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					
Introduce students to the ergonomic principles of designing a workplace with a computer, using analysis of the elements of a computer system and analysis of the work environment.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
Outcome 13: Apply appropriate ergonomic measures in the field of computer use in the workplace.					
Expected learning outcomes on a level of a course					
<ol style="list-style-type: none"> 1. Interpret the definition and principles of ergonomics. 2. Analyse computer system elements with special reference to its ergonomic design. 3. Analyse the working environment and its optimal conditions, as well as the characteristic health anomalies when using a computer. 4. Determine the need to ensure optimal operating conditions when using computer equipment. 					
Content of a course					
<p>Introduction to the course. Ergometrics as a scientific discipline. Working environment. Work place. Ergometrics and rules in force. Rules in force related to providing computer equipment in a work place. Computer equipment and its application on a work place. Computer equipment ergonomics. Computer and its parts. Monitor. Keyboard. Mouse. Magnetic effects on the environment. Magnetic radiation guards. Software ergonomics. Ergometrics characteristics related to the communication between the user and computer equipment. Ergometrics of working environment. A desk. A chair. Lighting. Noises and sounds. Microclimate. Tiredness and its causes. Prevention of tiredness. Employer's attitude towards ergonomics requirements. Need for ensuring improved working conditions with computer equipment.</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.					