



Subject card

Subject name and code	ERGONOMICS OF MENTAL WORK, PG_00058514						
Field of study	Economic Analytics						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2024/2025		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	5	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Informatics in Management -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Marcin Sikorski				
	Teachers		prof. dr hab. inż. Marcin Sikorski				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	15.0	0.0	0.0	30
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	30		5.0		40.0	75
Subject objectives	Applies methods and techniques of information ergonomics in technical, organizational and IT solutions.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W03] identifies reliable sources of information relevant to the analyzed issues		identifies reliable sources of information describing ergonomic problems at workplaces		[SW1] Assessment of factual knowledge		
	[K6_U07] uses information technologies to improve data analysis and decision-making processes		designs work stations in accordance with the principles of information ergonomics		[SU1] Assessment of task fulfilment		
Subject contents	<p>Cognitive ergonomics Introduction Human information processing, human reliability. Models of human decision-making in selected applications. Analysis of work processes. Computer supported cognitive work. Ergonomic requirements for software and interactive systems. Ergonomics, usability and User Experience for IT solutions. Eliciting requirements for designing IT solutions and cooperation with customers/users in IT projects. Design Thinking and other methods of creative projects in the IT industry. Ergonomics in the modern office. Stress and information overload. Balancing work - private life. Electronic monitoring of employees behavior.</p>						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	laboratory exercises		60.0%		50.0%		
	written colloquium		60.0%		50.0%		
Recommended reading	Basic literature		Sikorski, M. (2010). Interakcja człowiek-komputer. Warszawa: Wyd. PJWSTK Miłoś, M. (2014). Ergonomia systemów informatycznych. Lublin: Politechnika Lubelska.				
	Supplementary literature		--				
	eResources addresses						

Example issues/ example questions/ tasks being completed	Describe main methods of increasing human reliability at work. Decribe main methods of eliciting user requirements for software in IT projects. Decribe main ergonomic requirements for workstations with computers and screen monitors. Prepare a brief requirements specification for a selected office application.
Work placement	Not applicable