

FACULTY OF ENGINEERING STUDY COURSE DESCRIPTION

Course Title:	Hur	nan Facto	rs and Hum	an-computer Inter	action		
Course code (LAIS):	DatZ1024						
Study programme:	Virtual Reality and Smart Technologies						
				higher education			
Level of Study programme:			nal Bachelor	-			
		Professio	onal Master				
	PhD level						
Type of Study programme:		Compuls	sory course (H	Part A)			
	 Professional specialization courses (Part B, compulsory) 						
					ses (Part B, optional)		
		Elective	courses (Part				
Course Workload:		Credits	ECTS	Academic	Contact hours	Independent	
		2	3	hours 80	24	work hours	
	Line	da Lancer	-	80	24	50	
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Course Author/ Tutor:			gmail.com				
			-	the schedule for eac	h semester		
Course Form:		time		the senedule for cae			
Study year, semester:		ear, 1 st sen	nester				
Language:	-						
Prerequisites for the Course:	Latvian, English						
rerequisites for the Course:	-	-:					
	The aim of this course is to give practical and theoretical knowledge in the latest tendencies in human factors and human-computer interaction technologies. In frames of						
Course Summaria	tend	encies in h	numan factor	s and human-comp	uter interaction techno	ologies. In frames of	
Course Summary:	tend this	encies in l course are	numan factor introduced v	s and human-comp vith interaction desi	uter interaction techno gn, problem space and	ologies. In frames of l conceptual models.	
Course Summary:	tend this Duri	encies in h course are ing practic	numan factor introduced v al workshops	s and human-comp with interaction desi s and independent t	uter interaction techno gn, problem space and asks, students are give	blogies. In frames of conceptual models. I the opportunity to	
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	models.					
	Knowledge on persuasive technologies and	Theoretical study performed				
	behavioural change.					
	Skills					
	Skills to create idea and it's evaluation	Filled and uploaded workshop protocol.				
	Shows ability to understand and	Filled and unloaded workshop protocol				
	conceptualize interaction.	Filled and uploaded workshop protocol.				
	Realizes cognitive aspects and cognitive	Filled and uploaded workshop protocol.				
	frameworks.	Three and uploaded workshop protocol.				
	Competency					
	Shows ability to critically analyse social and	Individual exam with oral questions and				
	emotional interaction.	practical assessment.				
	Independently realizes interfaces and data	Individual exam with oral questions and				
	gathering. Data analysis, interpretation and	practical assessment.				
	presentation.					
	Shows ability to process interaction design	Individual exam with oral questions and practical assessment.				
	and establishing requirements. Prototyping,					
	construction and evaluation.	-				
Course Compulsory	Helen Sharp, Yvonne Rogers. Interaction Design: Beyond Human-Computer Interaction					
literature:	4th Edition. 2015. 584 lpp.					
Course additional literature:	Solis Tech. Human-Computer Interaction: The Fundamentals Made Easy. 2016					
Course confirmation date:	08.12.2017.					
Date of course description						
update:						

Study Course Plan:

		Academ	ic hours	
Date	Theme	Contact hours	Independent work hours	Study Form
	Interaction design.			
	Understanding and conceptualizing	3	9	Theoretical lecture. Practical activity.
	interaction.			
	Problem space and conceptual	2		
	models.	3	9	Theoretical lecture. Practical activity.
	Cognitive aspects and cognitive			
	frameworks.			
	Social and emotional interaction.	3	9	Theoretical lecture. Practical activity.
	Persuasive technologies and			
	behavioural change.			
	Interfaces and data gathering. Data			
	analysis, interpretation and	3	9	Theoretical lecture. Practical activity.
	presentation.			
	The process of interaction design and	3	9	Theoretical lecture. Practical activity.
	establishing requirements.	3	9	Theoretical test
	Prototyping, construction and			Theoretical lecture. Practical activity.
	evaluation.	4	11	-
	Final examination			Final examination with oral questions
		5	-	and practical activity.
	Total:	24	56	