

## Course programme

Course code  IFI7160.DT	CURRENT TOPICS IN HUMAN-COMPUTER INTERACTION											
ECTS credits:  4 ECTS	Amount of contact lessons: 28	Teaching semester: Spring	Assessment form: Exam									
Course objectives:	The goals are 1) to introduce the latest state-of-the-art of Human-Computer Interaction (HCI) to students and 2) to teach them how to conceive and present HCI-related project to peers, general public and funding bodies.											
Brief description of course content:  (including the description of the independent work)	<i>The course addresses:</i> <i>1. Physiological computing and implicit interaction paradigms</i> <i>2. Topics related to design and interaction with virtual and mixed realities</i> <i>3. Designing human experiences including sense of presence and affective reactions</i> <i>4. Critical evaluation of contemporary trends in HCI and identifying emerging or future applications in the areas of well-being and health</i> <i>5. Conception, design, evaluation and pitching of a hypothetical HCI project</i> <i>6. Debates critically assessing the underlying technologies for selected applications, their ethical aspects, emotional design specifics, etc.</i> <i>7. An open house event with poster presentations</i>											
Learning outcomes:	<i>Students are aware of the latest state-of-the-art of Human-Computer Interaction (HCI), in particular, in the field of health and well-being</i>  <i>Students are able to conceive, design and present HCI-related project to peers, general public and potential funding bodies.</i>  <i>Students are aware of underlying technical, theoretical and ethical implications of new HCI trends and can critically evaluate these.</i>											
Assessment Methods:	<i>The final quotation is computed based on intermediary assignments on topics as such:</i> <table><tr><td></td><td><i>Individual assignment</i></td><td><i>Group assignment</i></td></tr><tr><td><i>HCI topic presentation and report</i></td><td><i>35%</i></td><td><i>-</i></td></tr><tr><td><i>Project proposal and</i></td><td><i>20%</i></td><td><i>20%</i></td></tr></table>				<i>Individual assignment</i>	<i>Group assignment</i>	<i>HCI topic presentation and report</i>	<i>35%</i>	<i>-</i>	<i>Project proposal and</i>	<i>20%</i>	<i>20%</i>
	<i>Individual assignment</i>	<i>Group assignment</i>										
<i>HCI topic presentation and report</i>	<i>35%</i>	<i>-</i>										
<i>Project proposal and</i>	<i>20%</i>	<i>20%</i>										

	<table><tr><td><i>pitching</i></td><td></td><td></td></tr><tr><td><i>Participation in debates</i></td><td><i>10%</i></td><td><i>-</i></td></tr><tr><td><i>Poster representing the project</i></td><td><i>-</i></td><td><i>15%</i></td></tr><tr><td><i>Total</i></td><td><i>65%</i></td><td><i>35%</i></td></tr></table>	<i>pitching</i>			<i>Participation in debates</i>	<i>10%</i>	<i>-</i>	<i>Poster representing the project</i>	<i>-</i>	<i>15%</i>	<i>Total</i>	<i>65%</i>	<i>35%</i>
	<i>pitching</i>												
	<i>Participation in debates</i>	<i>10%</i>	<i>-</i>										
	<i>Poster representing the project</i>	<i>-</i>	<i>15%</i>										
	<i>Total</i>	<i>65%</i>	<i>35%</i>										
<i>All assignments are compulsory and will be marked as either achieved or not achieved.</i>													
Lecturer(s):	Aleksander Väljamäe David Lamas												
Course title in Estonian:	Inimese ja arvuti interaktsiooni aktuaalsed teemad												
Prerequisted course(s):	None												
Compulsory literature:	There will be a mix of recent book chapters, conference papers and journal articles.												
Replacement literature:	There will be a mix of recent book chapters, conference papers and journal articles. Please note that it is not possible to pass the course only on the base of replacement literature.												
Participation and exam requirements:	<i>This course is delivered face-to-face. Activities are organized in bi-weekly modules, each focusing on specific topics.</i> <i>In order to successfully conclude this course, students are required to:</i> <ul style="list-style-type: none"><li>• <i>Take part in all face-to-face activities;</i></li><li>• <i>Actively engage and deliver the results of the individual assignments (individual presentation and associated report; participation in debates); and</i></li><li>• <i>Actively engage and deliver the results of group assignments (a project proposal, its pitching and associated poster).</i></li></ul>												
Independent work:	<i>All individual assignments as carried out as independent work.</i>												
Grading criteria scale or the minimum level necessary for passing the subject:	<i>Grading criteria:</i> <ul style="list-style-type: none"><li>• <i>A, 90-100%</i></li><li>• <i>B, 80-90%</i></li><li>• <i>C, 70-80%</i></li><li>• <i>D, 60-70%</i></li><li>• <i>E, 50-60%.</i></li><li>• <i>F, less than 50%</i></li></ul>												

	<i>The number of achieved assignments determines percentages.</i>	
Information about the course:  (Topics by contact session, deadlines of independent works and exams/assessments times)	T 4.02.16, 16:00-17:30	Physiological computing and implicit interaction paradigms (lecture)
	S 20.02.16, 16:00-17:30	Topics related to design and interaction with virtual and mixed realities (lecture)
	S 5.03.16, 16:00-17:30	Designing human experiences including sense of presence and affective reactions (lecture)
	T 31.03.16 14:00-17:30	Individual presentations of emerging and future HCI topics in the areas of well-being and health (discussion)
	F 29.04.16, 12:00-17:00	Pitching of HCI projects (group work and discussion)
	F 13.05.16, 11:15-16:45	Debates critically assessing the underlying technologies for selected applications, their ethical aspects, emotional design specifics, etc (group work and discussion)
	S 14.05.16, 10:00-15:30	Open house event with poster presentations (group work)

Teaching Unit in charge:	School of Digital Technologies
Course programme is prepared by:	Aleksander Väljamäe
Date:	7.01.2016

The course program is registered in the academic unit:

Date:	7.01.2016
Name of academic	Ingrid Sander

coordinator:	
--------------	--