Course programme

Course code	COURSE TITLE		
IFI7317.DT	Accessible Computing		
ECTS credits: 4 EAP/ECTS	Amount of contact lessons: 20	Teaching semester: Autumn	Assessment form: assessment
Course objectives:	To provide the student with a critical understanding of design for all principles and the latest practices with respect to a range of current and novel ICT solutions. To provide the student with a real world understanding of the complex needs of older and disabled people when using ICT and people who use assistive technologies.		
Brief description of course content: (including the description of the independent work)			
Learning outcomes:	On successful comp knowledge to be abl		ne student will have the

	 Understand how Design for All ('DfA') can be applied as an enabler of accessibility and participation in the information society Critically examine current national, EU and international issues of eInclusion including economic and social issues and the legal framework of web accessibility Demonstrate a critical appreciation of the appropriate use of established accessibility guidelines, automated testing, and expert and live user testing in the design and evaluation of accessible websites, and methods of reporting results to different addressees e.g. to managers or designers Demonstrate an understand the concepts of web accessibility and the role of web authoring tools and user agents in relation to the needs of people with and without disabilities, including users of assistive technologies, ageing, people with cognitive impairments or levels of literacy. Demonstrate an understand of the practical and ethical issues of working with vulnerable groups of users 	
Assessment Methods:	Assessment	
Lecturer(s):	Vladimir Tomberg	
Course title in Estonian:	Digitaalse ligipääsetavuse töötuba	
Prerequisted course(s):	N/A	
Compulsory literature:	 Chisholm, W., May, M. (2008): Universal design for web applications that reach everyone. O'Reilly. Caldwell, B., Cooper, M., Reid, L.R., Vanderheiden, G. (2008): Web Content Accessibility Guidelines (WCAG) 2.0. Available from http://www.w3.org/TR/WCAG20/ 	
Replacement literature:	N/A	
Participation and exam requirements:	All course assignments have to be implemented and student has to be ready to make the final presentation	
Independent work:	• Students prepare presentations for each session during the seminar and implement one essay on selected topic	
Grading criteria scale or the minimum level	A - 90-100% of the work is done - excellent: outstanding work with	

necessary for passing the subject:	only few minor errors.
the subject.	B - 80-90% of the work is done – very good: above average work but with some minor errors.
	C - 70-80% of the work is done - good: generally good work with a number of notable errors.
	D - 60-70% of the work is done - satisfactory: reasonable work but with significant shortcomings.
	E - 50-60% of the work is done - sufficient: passable performance meeting the minimum criteria.
	F- less than 50% of the work is done - fail: more work is required before the credit can be awarded.
Information about the	07.09.2017 4h Session 1: Introduction, Accessibility concepts
course:	21.09.2017 4h Session 2: Personal Human Characteristics
(Topics by contact session, deadlines of	05.10.2017 2h Session 3: Workshop: applying UD framework
independent works and exams/assessments times)	19.10.2017 4h Session 4: Web Accessibility: WCAG, WAI ARIA
	02.11.2017 2h Session 5: Web Accessibility Workshop
	16.11.2017 2h Session 6 : Final Reports
	30.11.2017 2h Session 7: Final Reports

Teaching Unit in charge:	School of Digital Technologies
Course programme is prepared by:	Vladimir Tomberg
Date:	28.09.2017

The course program is registered in the academic unit:

Date:	28.09.2017

Name of academic	Kristi Oikimus
coordinator:	