Subject code: **IFI7167.DT**	Subject Name: **Social Computing**		
Study load: (4 ECTS/EAP)	*Load of contact hours:* 12	*Study semester:* Spring 2016	Exam
Objectives:	To give an overview of web2.0 tools and their design principles, the way they are used for social computation, and the way they are applied in the web and in the enterprise.		
Course outline:	(1) Web 2.0 tools and social interactions they support: Review several Web 2.0 tools (e.g. wikis, weblogs, social tagging) and derive general principles of social interaction they support (e.g. emergence). Students do reading and analyze different examples of Web2.0 tools in smaller groups. (2) Social Computation: Students do readings of different ways of how to employ social computation (e.g. collaborative filtering, online auctions, prediction markets, reputation systems, social choice, verification games). Performing one data analysis project in which they apply social computation principles to a particular problem with a particular dataset. (3) Application in the web and in the enterprise: Students read and report on case studies about the application of web2.0 and social computation in the web and in enterprise settings.		
Learning Outcomes:	Students will ... - know different types of tools and functionalities that support social interaction and understand general principles that govern their design - know different ways of how these tools and functionalities allow for social computation (e.g. making intelligent recommendations, judgements or inferences), - be able to apply some social computing mechanisms in a small dataset in a limited context - know the benefits and potential risks involved in the application of social computation - understand and be able to apply these tools and principles in an enterprise setting in knowledge management or marketing		
Assessment Methods:	Exam. 40% In class participation, exercises, final written exam, 30% Conducting a Data Analysis Project (written report and verbal presentation) in a team, 30% Conducting an Industry Case Analysis Report (written report and verbal presentation) in a team		
Teacher(s):	Prof Tobias Ley, Libor Měsíček		
Subject name in Estonian:	Sotsiaaltarkvara		
Prerequisite subject(s):	none		
Compulsory	will be provided in the first class session		

Literature:	
Replacement Literature:	will be provided in the first class session
Participation and Exam requirements:	Students must participate in 80% of the class sessions. Students must complete a short 2-3 page case analysis report, present it in class and comment other students' work Students must complete a data analysis project report and present it in-class Students must participate in the in-class individual and group exercises, publish results of the exercises after class in their blog and comment others' assignments
Independent work:	Find literature and analyse it for a Case Analysis Report Analyse data from social computing environment and present it in an data analysis project report Prepare reading before the class Complete the in-class exercises independently after class
Grading criteria scale or the minimal level necessary for passing the subject:	A - 90-100% of the work is done - excellent: outstanding work with only few minor errors. 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 course:	Session 1 (14.04.): Introduction of the topic, overview lecture, introduction to the industry case analysis projects Session 2 (16.04.): Social Networking and Resource Sharing (Reading, Lecture and Exercises), introduction to the data analysis exercise Session 3 (29.04.): Wikis, Blogging and Microblogging (Reading, Lecture and Exercises), Case Analysis Reports Session 4 (30.04.): Data Analysis Exercise and Final Exam

Teaching Unit in charge:	School of Digital Technologies
Course programme is prepared by:	Tobias Ley
Signature:	

Date:	14.01.16

The course program is registered in the academic unit:

Date:	18.01.2016
Name of academic coordinator:	Ingrid Sander
Signature:	