Subject code: IFI7105	Course title: Open Source Management	
Amount ECTS: 4.0	**Approximate amount of contact lessons and independent work:** 20 contact hours, consisting of hours of 12 lectures and 8 hours of lab work	**Study semester**: A
Objective:	To provide students with adequate insight into the realm of free and open-source software (worldview, development method, motivation, business models and legal issues) as well as provide a source for experience in practical open-source development.	
Course description: (incl. description of the content of independent work in accordance with the determined amount of independent work)	Free and Open-source Software (FOSS) definitions, differences from proprietary models. Free Software vs. Open Source vs. Freeware. FSF vs. OSI. FOSS development: environments, tools and methods. Legal framework of FOSS. FOSS as business: different models. Community building and management. Free Culture: the wider social impact of FOSS. Some lectures can be reserved for visiting lecturers and current issues (when applicable). Independent tasks include reading, writing a course paper, analysis of FLOSS cases and participating in the development community project.	
Learning outcomes:	I. Understands the core concepts of free software, differences from proprietary approach and the different accents of the FSF and OSI school of thought II. Is able to navigate in the world of free and open-source software and to pick necessary tools for a given task III. Knows major free licenses and is able to choose appropriate ones for given projects IV. Is familiar with business use of free and open-source software V. Is able to choose and participate in an open-source project and become a member of a development community	

Form of evaluation:	Exam. The result consists of practical team development work (50%), case studies/written tasks (35%) and other team's review (15%).
Lecturers:	Associate Professor Kaido Kikkas
Title in Estonian:	Avatud lähtekoodil põhinev arendusmudel
Prerequisite subjects:	No prerequisites, typical computer usage skills are presumed, earlier development experience is not needed
Compulsory literature:	None, see replacement literature
Replacement literature:	Attn! The literature listed below is recommended (non-compulsory) and can somewhat replace the lectures, but is unable to substitute the practical project experience from the course./ NB! Tegemist on soovitusliku (mittekohustusliku) lugemismaterjaliga, mis asendab teataval määral küll loenguid, kuid ei asenda praktilise koostööprojekti kogemust! Himanen, P. (2001). Hacker Ethic. Penguin Books. Himanen, P. (2002). Häkkerieetika ja informatsiooniajastu vaim. Kunst, Tallinn. Kikkas, K. (2005). Pingviiniaabits. http://www.kakupesa.net/kakk/pingviiniaabits_CC.pdf Lessig, L. (2004). Free Culture: How Big Media Uses Technology and the Law to Lock Down Culture and Control Creativity. The Penguin Press. http://www.free-culture.org/freecontent/ Lessig, L. (2006). Code v.2. Basic Books. http://codev2.cc Levy, S. (2001). Hackers: Heroes of the Computer Revolution. Updated edition. Penguin Press Moody, G. (2001). Rebel Code: Inside Linux and the Open Source Revolution. Perseus Publishing, Cambridge MA Raymond, E.S. (2000). The Cathedral & the Bazaar. Revision 1.5. http://www.catb.org/~esr/writings/cathedral-bazaar/

	Stallman, R. (2002). Free Software, Free Society. Ed. Joshua Gay. GNU Press Torvalds, L., Diamond, D. (2001). Just for Fun: The Story of an Accidental Revolutionary. First Edition, Harper-Collins Wynants, M., Cornelis, J., eds (2005). How Open is the Future? Economic, Social and Cultural Scenarios inspired by Free & Open-Source Sofware. CrossTalks, VUB Brussels University Press. http://crosstalks.vub.ac.be/publications/Howopenisthefuture/howopenfuture_CROSSTALKSBOOK1.pdf Lecture notes: http://akadeemia.kakupesa.net/OSM Also recommended: The Playful Cleverness Reading List at http://wiki.kakupesa.net/index.php/The_Playful_Cleverness_Reading_List
Requirements for participating in studies and taking exams/assessments	Participation implies typical computer skills (basic knowledge about operating systems, practical skills with office software and Internet applications). As there is no separate exam event, the exam participation implies sufficient participation in the coursework.
Requirements for independent work	Independent work is carried out in studying various development tools, writing case studies/essays and participation in a development team.
Exam evaluation criteria or minimum level necessary to pass assessment	A – the student has shown his/her deep insight into the FOSS world in the written essays and is able to participate in a real-life open-source project (as indicated by the group project). B - the student has shown his/her insight into the FOSS world in the written essays and with some further practice is able to participate in a real-life open-source project (as indicated by the group project). C – the student has grasped the main ideas of open-source development and is able to use them in practical context. D – the student has understood the basic principles of open-source development and obtainede basic skills in using the tools.
Additional information on course content, division of course by topics, incl. times of contact lessons taking place in the form of seminar. .	The course consists of two blocks of contact study days followed by the final presentation day at the end and having the independent work stage between them.

Unit in charge of subject:	Institute of Informatics (IFI)
Name of person compiling course	Associate professor Kaido Kikkas

programme:	
Signature:	/ signed /
Date:	September 15, 2011

Course programme registered in the academic unit

Date	September 16, 2011
Name of study assistant	Hanna-Liisa Pender
Signature	