IFI7131	Towards a Better Understanding of HCI		
Study load: 3 (ECTS/EAP)	Load of contact hours: 20	Study semester: Spring 2012	Exam
Objectives:	To create opportunities for acquiring a better understanding about some foundational issues related to cognition and Human-Computer Interaction (HCI)		
Course outline:	The course will be devoted to illustrating some foundational issues related to cognition and Human-Computer Interaction. The topics that will be treated during the course include: distributed cognition, cognitive niche construction, affordance, lens model, abduction and HCI, the evolution of HCI, distributed morality and HCI. A seminar (2 hours) on the topic "Violence and technology" will be organized at the end of the course. During the seminar students will be asked to share their experience about the emergence of violence as unexpected outcome in Human-Computar Interaction. Compulsory reading for the seminar: E. Bardone (2011). Intended Affordances as Violent Mediators: Technologically Enriched Human Niches. <i>International Journal of Technoethics</i> , <i>4</i> (2).		
Learning Outcomes:	cognition and Human- Learner has acquired to and Human-Computer Learner has acquired s foundational issues in Learner has acquired s	Computer Interaction he skills to discuss topic Interaction kills to combine difference cognition and Human-C kills of written expressing the major foundational	nt concepts related to Computer Interaction on.
Assessment Methods:	Exam(graded). Written the topics treated during	n assessment, 3000 wording the course.	ds long essay on one of
Teacher(s):	Emanuele Bardone, Po	ost-doc	
Subject name in Estonian:	Inimese ja arvuti vahe	lise interaktsiooni alused	d
Prerequisite subjekt(s):	None		
Compoulsory Literature:	Distributed Cognition. Brunswik, E., Organis probability. Psycholog Magnani, L. & E. Bard design: the role of abd	Chances: From Biased R. Springer, Berlin, 2011: mic achievement and encical Review, Vol 50(3), done, Seeking chances thuction, SMC'09 Proceedings on Systems, Man and	Chapters 3, 4, 5, 6 avironmental 1943, 255-272. hrough interface dings of the 2009 IEEE

	Clark, A., Soft selves and ecological control. In Ross at al. (eds), Distributed Cognition and the Will, MIT Press, Cambridge, 2007. Kirsch, D. and P. Maglio, On Distinguishing Epistemic from Pragmatic Action, Cognitive science, 18(4), 1994. Gibson, J. J. The ecological approach to visual perception. Boston: Houghton Mifflin, 1979: Chapter 8.
Replacement Literature:	Hutchins, E. (1995). Cognition in the Wild. MIT Press. Perry, M., Distributed Cognition". In J.M. Carroll (Ed.) HCI Models, Theories, and Frameworks: Toward an Interdisciplinary Science, Morgan Kaufmann, 2003: 193-223. Dror, I.E. & Harridan S., Offloading cognition onto cognitive technology. In Dror, I.E. & S. Harridan, Cognition Distributed. How cognitive technology extends our minds, John Benjamins, New York, 2007.
Participation and Exam requirements:	Requirements that should be fulfilled in order for student to be admitted to exam: participation in the seminar.
Independent work:	Compiling a written work, a 3000 words essay, reading compulsory literature
Grading criteria scale or the minimal level necessary for passing the subject:	Grading criteria: A - the arguments presented are clear and well-organized and excellent comprehension of material is displayed. The essay displays original thought in integrating different concepts. B - the arguments presented are well-discussed throughout the essay, good comprehension of material. The personal contribution is not quite original C - the discussion is competent, and arguments presented display a decent comprehension of material. No original thoughts, though a decent effort is made. D - The organization of the essay is loosely, and clarity in argumentation is not successfully achieved. Low comprehension concerning material is displayed. E - Comprehension of material not displayed. Little effort made. F- Fail: more work is required before the credit can be awarded.
Information about the course:	Weekly schedules. Deadlines for tests, independent work, exams and final grading. Relevant dates: The essay should be submited no later than May the 31st. Final grades will be set by the end of the Spring Semester. See separate table below!

Schedule and program of the course

March 27, 2012	Distributed Cognition. Cognitive Science meets meets HCI.
4:15pm – 7:45pm	
March 28, 2012	Abduction and HCI. Epistemology meets HCI
4:15pm – 7:45pm	
April 4, 2012	Ecological Psychology 1: The notion of affordance.
4:15pm – 7:45pm	Ecological Psychology 2: The lens model.
April 17, 2012	Technology and evolution 1: what is this thing called evolution?
4:15pm – 7:45pm	Technology and evolution 2: the theory of cognitive niche
	construction and its application to HCI.
April 24, 2012	Morality, Philosophy, and HCI.
4:15pm – 7:45pm	Violence and HCI.