Course programme

Course code IFI7305.DT	COURSE TITLE Cognition and Emotion of Digital Media		
ECTS credits: 4 ECTS	Amount of contact lessons: 26	Teaching semester: Autumn	Assessment form: Exam
Course objectives:	The course aims at introducing basic themes of human cognitive and emotional processes. Using this knowledge, students will critically analyze and shape multimodal experiences delivered by media and digital games through assignments.		
Brief description of course content: (including the description of the independent work)	The course addresses (but not limited to): • Neurophysiological theories of consciousness, investigation of cognitive processes (cognition(spatial, semantic…), memory, attention, creativity(verbal, nonverbal, improvisation, art, dance)) • Neurophysiological theories of emotions; Basic emotions, complex emotions; • Influence of emotions on cognitive processes (emotions elicitation; Prosocial behavior, compassion and empathy Dual process theory) • Neurophysiological methods and technologies of investigation cognitive and emotional processes in neuroscience		
Learning outcomes:	After successfully completing the course students will be aware of the: • Main principles of human cognition and emotion; • Be able to apply this knowledge in critical analysis of existing media content including digital games and other multisensory applications • Be able to apply this knowledge in design/creation of media content including digital games and other multisensory applications		
Assessment Methods:	The final quotation is computed based on intermediary assignments on topics as such:		

	Individual assignment	Group assignment
Individual project presentation (assign 1)	15%	-
Assign 2.	25%	-
Final project idea	-	10%

	presentation (assign 3)		
	Project mid-term presentation (assign 4)		20%
	Final project presentation (assign 5)	-	30%
	Total	40%	60%

All assignments are compulsory and will be marked as either achieved or not achieved.

Lecturer(s):	Aleksander Valjamäe, Natalia Shemyakina, Ilkka Kosunen
Course title in Estonian:	Tunnetus ja emotsioon digitaalses meedias
Prerequisted course(s):	Perception and attention of digital media (if possible)
Compulsory literature:	There will be a mix of recent book chapters, conference papers and journal articles. A few core readings: Nass, C., & Reeves, B. (1996). The media equation: How people treat computers, televisions, and new media as real people and places. Robert J. Sternberg Handbook of creativity. Cambridge University Press, 1999 Coan, J. A., & Allen, J. J. (2007). Handbook of emotion elicitation and assessment. Oxford university press. Handbook of emotions (2008) / edited by Michael Lewis, Jeannette M. Haviland-Jones, Lisa Feldman Barrett.
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:	This course in delivered face-to-face. Activities are organized in bi-weekly modules, each focusing on specific topics. In order to successfully conclude this course, students are required to individually: • Take part in all face-to-face and activities; • Actively engage and deliver the results of 2 individual assignments (review table, group planning of the experiment, presentation of results); • Actively engage and deliver the results of final group assignment.

Independent work:	This course relies on a significant amount of independent work (individual and in groups) between sessions.
Grading criteria scale or the minimum level necessary for passing the subject:	All assignments are graded as such: 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: (Topics by contact session, deadlines of independent works and exams/assessments times)	Activities are organized in bi-weekly modules, each focusing on specific topics, and students are requested to engage in both preparatory readings and follow up activities.

Date	Time	Topic
October 5	12:15 - 13:45	(L1) Introduction to the course and topics
October 7	10:00 - 18:00	(L2) Individual ideas presentations (assignment 1); team forming; Lecture contents: Neurophysiological theories of emotions; Basic emotions, complex emotions; Practical introduction to measurement of cognitive and emotional processes
October 21	10:00 - 18:00	(L3) Lecture contents: Neurophysiological theories of consciousness, investigation of cognitive processes (cognition, memory, attention, creativity(verbal, nonverbal, improvisation, art, dance));
December 2	14:00 - 18:00	(L4) Student's presentation of reviews, small lecture part; self work = elaboration of self-experiments in groups, carrying out behavioral part of investigation
December 16	14:00 - 18:00	(L5) Presenting results of own investigations (4-5 groups), conclusion lecture

Teaching Unit in charge:	School of Digital Technologies
Course programme is prepared by:	Aleksander Väljamäe
Date:	28.08.2017

The course program is registered in the academic unit:

Date:	28.08.2017
Name of academic coordinator:	Kristi Oikimus