SYLLABUS

Basic information of the course	
University:	**University "Ukshin Hoti" - Prizren**
Academic unit:	**Faculty of Computer Science**
Study program:	**Information and Telecommunication Technologies**
Course:	**Human-Computer Interaction**
Study level:	**Bachelor**
Course status:	**Elective**
Study year:	**1**
Number of hours per week:	**2+2**
Credit value - ECTS:	**6**
Time / location:	**It will be published in the university web site!**
Lecturers:	**Assoc. Prof. Dr. Samedin Krrabaj**
Contact details:	**samedin.krrabaj@uni-prizren.com**
Course description:	The course provides basic concepts about the design of human-computer interaction. It sufficiently elaborates on the human-computer principles. Human-computer interaction is an interdisciplinary field that integrates theories and methodologies from computer science, cognitive psychology, design, and many other fields. This course teaches students to design user interfaces based on computer technology capabilities and human factor needs. The course will provide a balance of practical and theoretical knowledge, giving students experience not typically offered by other courses in computer science.
Course objectives:	- Human-computer interaction is an interdisciplinary field that integrates theories and methodologies from computer science, cognitive psychology, design, and many other areas. - This course teaches students to design user interfaces based on the capabilities of computer technology and the needs of human factors. The course will provide a balance of practical

	and theoretical knowledge, giving students experience ordinarily not provided by other courses in computer science.
Learning outcomes:	After completing this course the students will be able to: - understand the basics of human and computational abilities and limitations. - understand basic theories, tools and techniques in HCI. - understand the fundamental aspects of designing and evaluating interfaces. - practice a variety of simple methods for evaluating the quality of a user interface. - apply appropriate HCI techniques to design systems that are usable by people.

Contribution on student load (must correspond with learning outcomes)			
Activity	**Hours**	**Days/week**	**Total/hours**
Lectures	2	15	30
Exercise theoretical/laboratory	2	15	30
Practice work	1	2	2
Contact with lecturer/consultations	1	5	5
Field exercises	1	1	1
Midterms	2	2	4
Laboratory exercises	2	2	4
Individual time spent studying (at the library or home)	3	10	30
Final preparation for the exam	5	6	30
Time spent in evaluation (tests, quiz, final exam)	2	3	6
Projects, presentations, etc.	4	2	8
Total			**150**
Notice: 1 ECTS credits = 25 hours commitment, e.g. if the course has 6 ECTS credits student must have 150 hours during the semester.			

Teaching methods:	The course is a combination of lectures, discussions, numerical and laboratory exercises, while the assignments are presented by the laboratory course lecturers!
Assessment methods:	- Attendance in lectures and exercises: 5% + 5%. - Semestral project: 15%. - Midterm 1: 35%.

	- Midterm 2: 40%. - Or final exam: 100%.	
Assessment and grading:	**Vlerësimi në %**	**Nota përfundimtare**
	91% - 100%	10
	81% - 90%	9
	71% - 80%	8
	61% - 70%	7
	51% - 60%	6
	0% - 50%	5
Literature		
Basic literature:	1. Basic Literature: Dr.sc. M. Qafleshi: Authorized Lectures (Presentations)-Human-Computer Interaction, Prizren, 2018.	
Additional literature:	1. Additional literature: Alan Dix, Janet Finlay, Gregory d. Abowd, Russell Beale. Human-Computer Interaction. Pearson Education Limited, 2004. UK.	

Study plan	
Week	**Lectures**
First week:	• Introduction to course organization - syllabus (about lectures). • Introduction- Human-Computer Interaction (HCI)
Second week:	• The human
Third week:	• The computer
Fourth week:	• Interaction
Fifth week:	• Paradigm in HCI
Sixth week:	• Graphical User Interface - GUI
Seventh week:	• First intermediary evaluation (Ist test)
Eighth week:	• First midterm.
Ninth week:	• Virtual Reality
Tenth week:	• Interaction design basics
Eleventh week:	• HCI in the software process
Twelfth week:	• Design rules
Thirteenth week:	• Evaluation Techniques
Fourteenth week:	• Universal Design, Presentation and evaluation of seminar/project assignments. Consultation for the test/exam.
Fifteenth week:	• Second (final) midterm.

Exercises

Study plan	
Java	**Exercises**
First week:	• Introduction to course organization – syllabus (about exercises). Presentation of topics for assignements.Working groups.
Second week:	• Identification of different physiological, psychological and motor of human capabilities during the interaction process with the computer.
Third week:	• Various ways of input/output of data into/from computer.
Fourth week:	• Models of adaption of HCI for specific cases/problems
Fifth week:	• Paradigm in HCI
Sixth week:	• Examples of GUI in programing languages.
Seventh week:	• First intermediary evaluation (Ist test)
Eighth week:	• Models of Virtual reality applications. • Consultations about midterm 1.
Ninth week:	• Scenarios for designing of interactions for different goals/task and constrains.
Tenth week:	• The role of HCI in software design.
Eleventh week:	• Principles, standards and guidelines for designs.
Twelfth week:	• Ways/techniques of design evaluations.
Thirteenth week:	• Examples of interaction of human senses with computer.
Fourteenth week:	• Presentation and evaluation of seminar/project assignments. Consultation for the test/exam.
Fifteenth week:	• Consultation about midterm 2.

Academic policies and rules of conduct
• Generally lecture presentations will be made through MS PowerPoint, tables, material usage, computer programs and numeric exercises. • Additional resources (scientific papers, publications, national bulletins, as well as recent discoveries and research) will be provided by professors. • In the absence of the opportunity for practical work to be organized weekly, in cooperation with the management of the university, this activity will be organized on certain days in: organizations, companies, etc. • During each session will be organized the conversation and co-participation with the students! • Students are required to be regular in lectures and exercises! • It will be evaluated when the students collaborate and participate in the lectures and course exercises! • Timely arrival in lectures and exercises is mandatory!