Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
INF454	Fundamentals of Human-Computer Interaction	5	3	0	0	3	5

Prerequisites	
Admission Requirements	

Language of Instruction	French
Course Type	Elective
Course Level	Bachelor Degree
Objective	The goal of this course is to teach the fundamental concepts on human computer interaction and user interfaces that improve in paralel with the development in information technologies and the needs of users
Content	History of human computer interaction Principal compounds of interaction: human and computer Interaction paradigms User interaction design Interaction models Ergonomy in interaction Principles of visual design Midterm User interfaces Article/project presentations Innovative interfaces Usability User experience Group project presentations
References	1- ""Human-Computer Interaction"" , Alan Dix, Janet Finlay, Gregory Abowd, Russel Beale , Pearson Education Limited 2004 2- ""Interaction design: beyond human-computer interaction"", Yvonne Rogers, Helen Sharp, Jenny Preece, John Wiley &Sons 2002

Theory Topics

Week	Weekly Contents
1	History of human computer interaction
2	Principal compounds of interaction: human and computer
3	Interaction paradigms
4	User interaction design
5	Interaction models
6	Ergonomy in interaction
7	Principles of visual design
8	Midterm
9	User interfaces
10	Article/project presentations
11	Innovative interfaces
12	Usability
13	User experience
14	Group project presentations