HUMAN COMPUTER INTERACTION

1	Course Title:	HUMAN COMPUTER INTERACTION	
2	Course Code:	BIL5111	
3	Type of Course:	Optional	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	No	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. ERHAN ŞENGEL	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Doç. Dr. Erhan ŞENGEL erhansengel@uludag.edu.tr, +90-224-2942180, Eğitim Fakültesi A Blok No: 413 Görükle – Bursa - Türkiye	
17	Website:		
18	Objective of the Course:	Human-computer interaction focuses on the design, evaluation and execution of different environments like home, school and workplace effective technologies to enjoy people. The purpose of this course is to introduce the basic topics, approaches, and improvements. Objectives of the course can be listed as;	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	to be able to explain Human-computer interaction paradigm of the study area and a variety of approaches.
		2	to be able to define what should be considered in the design of the interaction.
		3	to be able to explain the criteria for creating useful Web sites.
		4	to be able to identify usability testing.
		5	to be able to explain the concepts of effectiveness, efficiency, productivity, satisfaction.
		6	to be able to plan the steps for preparing usability testing software.
		7	to be able to use at least one computer program to prepare usability testing.
		8	to be able to evaluate web pages according to usability testing.
		9	to be able to explain the properties and types of usability tests.
		10	to be able to apply at leat one type of usability tests
21	Course Content:		
		Course Content:	

Week	Theoretical	Practice
1	Introduction to Course and What is Human Computer Interaction (HCI)?	
2	Interaction and Levels	
3	What is usability?	
4	Preparing and Using Usable Web Sites	
5	Criteria of Useful Web Sites	
6	Navigations of Web Sites	
7	Home Pages and Properties	
8	What is Usability Testing?	
9	What is Usability Testing?	
10	Methods to Apply Usability Testing	
11	How to Prepare A Computer Program for Usability Testing	
12	Recording for Usability Testing	
13	Evaluations of Records	
14	Other Types of Usability Testings	
22	Textbooks, References and/or Other Materials:	- Don't Make me Think (Steve Krug) • Human Computer Interaction (Alan Dix, Janet Finlay, Gregory D.Abowd, Russell Beale. 3. Edition) • Designing Interactive Sytems (David Benyon, Phil Turner, Susan Turner)

Activites	Number	Duration (hour)	Total Work Load (hour)
TERM LEARNING ACTIVITIES	NUMBER WEIGHT	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	12	4.00	48.00
Quiz	0	0.00	
Homeworks	2	12.00	24.00
Home work project	2		
Projects	1	15.00	15.00
Final Exam	1	70.00	
Field Studies	1	5.00	5.00
Total	0	100.00	
Midterm exams	0	0.00	0.00
Contribution of Term (Year) Learning Activities to	30.00		
Others	0	0.00	0.00
Final Exams	1	25.00	25.00
Contribution of Final Exam to Success Grade	70.00		
Total Work Load			145.00
Total		100.00	
Total work load/ 30 hr			4.83
Measurement and Evaluation Techniques Used in the			
ECTS Credit of the Course			3.00

24	ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	5	4	3	0	0	0	0	0	0	0	0	4	0	0	0	0
ÖK4	5	4	4	0	0	0	0	4	0	0	0	4	0	0	0	0

ÖK5	3	5	4	0	0	0	0	4	0	0	0	4	0	0	0	0
ÖK6	5	5	5	0	0	0	0	3	0	0	0	4	0	0	0	0
ÖK7	5	5	5	0	0	0	0	4	0	0	0	5	0	0	0	0
ÖK8	5	5	5	0	0	0	0	4	0	0	0	5	0	0	0	0
ÖK9	5	4	4	0	0	0	0	0	0	0	0	4	0	0	0	0
ÖK10	4	4	3	0	0	0	0	4	0	0	0	4	0	0	0	0

LO: Learning Objectives   PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High