



Course Code	Course Title	ECTS Credits
MULT-363	Human Computer Interaction	6
Department	Semester	Prerequisites
Design and Multimedia	Fall, Spring	MULT -161
Type of Course	Field	Language of Instruction
Major Requirement	Applied Multimedia	English
Level of Course	Year of Study	Lecturer
1 st Cycle	2 nd	Aimilia Tzanavari
Mode of Delivery	Work Placement	Co-requisites
face-to-face	N/A	None

Objectives of the Course:

The main objectives of this course are to:

- Examine the methodology (documented with references to theoretical models) of analysis, design, implementation and evaluation of Interactive Systems
- Explain the significance of taking into strict consideration the actual users of these systems, as well as the purpose of their use.
- Provide students with technical knowledge regarding the application of the relevant methodology (its steps/phases)
- Make students aware of the various approaches and techniques used in Usability evaluation, in order to make sure the system designed is: useful, usable and used often.

Learning Outcomes:

After completion of the course students are expected to be able to:

1. identify the importance of considering the capabilities of users in the context of HCI
2. conduct 'User Needs and Requirements' analysis
3. critically evaluate and choose among the various data gathering techniques
4. set usability goals
5. design based on the extracted user requirements list and usability principles.
6. critically assess the various evaluation approaches and methods and when they are applicable.
7. iterate between design-evaluation until the desirable result is achieved.

Course Contents:

1. Interaction Design
2. Understanding Users
3. Designing for Collaboration
4. Affective Aspects
5. Data Gathering
6. Data Analysis
7. Needs and Requirements
8. Design Prototyping and Construction
9. Evaluation
10. Usability Testing and Field Studies

Learning Activities and Teaching Methods:

Lectures, Lab Presentations, Lab Tutorials, Practical Exercises and Assignments.

Assessment Methods:

Mid-Term Examination, Assignments, Final Examination

Required Textbook/Reading:

Authors	Title	Publisher	Year	ISBN
Jennifer Preece, Yvonne Rogers, Helen Sharp	<i>Interaction Design: Beyond Human Computer Interaction</i> , 2 nd Edition	John Wiley & Sons	2007	0470018666

Recommended Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
Alan Dix, Janet Finlay, Gregory Abowd, Russell Beale,	<i>Human-Computer Interaction</i> , Second Edition,	Prentice Hall	2003	0130461091