

COURSE SYLLABUS

Course Number: COMP-4650
Course Title: Interface Design for Wireless Devices
Credit Hours: 3 hrs. lecture, 0 hrs. lab
Prerequisites: COMP-3270 or departmental approval
Corequisites: None

I. Course Content/Objectives

1. Objectives

To understand the underlying concepts of human-computer interaction and user interface design.
To understand the special nature of interfaces of wireless and mobile devices. To be able to specify, design and evaluate user interfaces for wireless devices.

2. Tentative Schedule and Outline of Course Content

(Total must be 15 weeks)

Week 1-3: Introduction to
 interactive systems
 wireless interactive devices

Week 4-5: Human cognition

Week 6: Interface design process

Week 7-8: Requirements analysis
 Usability analysis

Week 9-12: Conceptual modeling
 Systems design, interaction design, and design guidelines
 Prototyping and prototyping tools

Week 13-15: Evaluation and assessment
 Presentations

3. Text Book or assigned readings:

Human-Computer Interaction, Alan Dix, Janet Finlay, Gregory Abowd and Russell Beale, Prentice Hall, 1998

Additional assigned readings from other selected books as appropriate.

II. Grading and Evaluation Procedures

1. Course requirements: This course will have a mid-semester examination, a final examination given during the finals week, and two 6-week group projects (25% credit each) that will require students to research a topic or an extant system relevant to the course, and to design, implement and evaluate an interface of an wireless device. These projects involve writing reports, programming, and making presentations.

2. Grading system:

Homework Projects	50%
Mid-semester exam	20%
Final exam	30%

Grading scale: 90-100 = A; 80-89 = B; 70-79 = C; 60-69 = D; below 60 = F.

III. Other Policies

In order to understand the content of this course, it is imperative for each student to attend every class. If a student misses a class, it is his/her responsibility to find out the portion covered and obtain copies of any handouts. Class attendance and participation do not affect the grade.

Assignments are due in class on the due date. Late assignments will be accepted during the next scheduled class with a 50% late penalty. No assignments will be accepted after this date. Makeup arrangements for missed exams will be made with an approved university excuse. Dean's written permission is required for a final exam makeup. There will be no unannounced quizzes. Students will receive feedback on their progress before the midterm of the semester.

Academic Honesty: All portions of the Auburn University Honesty Code (Title XXII) found in the Tiger Club apply in this class.

Special Accommodations: Students who need special accommodations should make an appointment to discuss the Accommodation Memo during the instructor's office hours as soon as possible. If scheduled office hours conflict with classes, please make an appointment for another time. If the student does not have an Accommodation Memo, but need special accommodations, he or she should contact The Program for Students with Disabilities in 1244 Haley Center (844-2096 V/TTY).