CS 484: User Interface Design and Development (Spring 2014)

Instructor:

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Office Hrs: M & W 2:15-4:15p
Th 1:30-3:30p

Teaching Assistant:

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Office Hrs: TBA

Room Change! We now meet in Quigley 203

Course Description:

This course addresses the practical problems of designing interfaces for modern software (as well as other interactive products). Interaction Design and HCI consider both humans and technology as important components of successful systems. Both of these factors will be explored. The importance of a user centered iterative process will be stressed. Topics will include programming considerations for graphical user interfaces (GUIs) as well as design and evaluation techniques. Group activities and project work is an integral part of this course.

Prerequisites: CS306 with a grade of C or better.

Text:


Supplemental materials will also be referred to as needed.

Outline:(tentative)

- Introduction to Interaction and Usability
- Frameworks and Styles of Interaction
- Processes for Interaction Design
- Discovering Requirements
- User & Task Analysis
- Guidelines and Standards for Interface Design

• ACM SIGCHI

see SIUonline for readings and assignments
Effective interaction design is not a sequential process but an iterative one. Likewise you may expect that we will revisit various topic areas as we progress through the semester.

**General Policies**

Makeup's and incompletes will be given only in extreme circumstances. You may feel free to discuss general concepts related to programming problems but the actual solutions to the specific problems should be worked out individually or within your group if given a group assignment.

**Course Requirements (tentative distribution)**

- Labs/projects, presentations, homework, and class participation: 45%
- Exams and possibly Quizzes: 55% Our last exam will be given during the assigned time slot (Wed., May 7 12:50-02:50 pm) for this course during finals week. The final exam schedule is available online at: [http://registrar.siuc.edu/calendars/finalexam.html](http://registrar.siuc.edu/calendars/finalexam.html)

Failure to participate in class activities, or to turn in homework or programming assignments can drastically lower your grade. Please do these assignments conscientiously. Resolve any issues pertaining to the grading of an exam/assignment within 1 week after it is returned. All students should read the [Departmental Policies on Academic Dishonesty](#).

Also note that the University [Building Emergency Response Team (BERT)](#) has prepared an [Emergency Response Guide](#). More information is available at [SIUC's Department of Public Safety](#).