CSE/ISE 333 Course Information

Course Number:
CSE/ISE 333

Title:
"User Interface Development"

Credits: 3

Course Coordinator:
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Current Catalog Description:
Survey of user interface systems, with emphasis on responsive and adaptive strategies to accommodate cross-platform deployment across multiple devices such as desktops and handsets. Demonstration of the use of tool kits for designing user interfaces. Additional topics include human factors, design standards, and visual languages. Students develop projects involving the design and implementation of a variety of user interface systems.

Prerequisite:
U3 status, CSE 214 or 260, or permission of the instructor

Course goals:
• An ability to develop high-quality user interfaces for desktop, web-based, and mobile interactive systems
• An understanding of guidelines, principles, and theories of user interface design
• An ability to develop user interfaces using industry-standard software platforms
• An understanding of usability issues

Laboratory Projects:
UI exercises in the development of graphics, icons, web fonts, dynamic media, and responsive/adaptive design techniques. A final project will incorporate all of the exercises into a cross-platform application that will conform to multiple device display resolutions and orientations.

Computer usage:
GIMP, Inkscape, HTML5, CSS3, and JavaScript.

Course Webpage:
http://xsrv.mm.cs.stonybrook.edu/ui

Course email:
uidev@cs.stonybrook.edu

Americans with Disabilities Act: If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC (Educational Communications Center) Building, Room 128, (631) 632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.

Academic Integrity: Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/uaa/academicjudiciary/

Critical Incident Management: Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures.