I300

Human-Computer Interaction
Indiana University School of Informatics IUPUI

Course Info: 3 Cr. Hrs. | <Semester> <Year>

Instructor: <NA>
Time/Location: <NA>
Office Address: <NA>
Phone: <NA>
Email: <NA>
Office Hours: <NA>

COURSE DESCRIPTION
An intermediate course that focuses on various forms of usability assessment and data analysis. Students work in teams as they learn how to conduct usability tests, how to collect usability metrics, how to analyze the data, and how to report it. The final team project is a classroom “test fest” where the skills are brought together and put into practice.

PREREQUISITE: I270 or equivalent

REQUIRED COURSE TEXTs
Title: Measuring the User Experience: Collecting Analyzing, and Presenting Usability Metrics
Author: Thomas Tullis and William Albert
Copyright: 2008
Publisher: Morgan Kaufmann

Title: Moderating Usability Tests: Principles and Practices for Interacting
Author: Joseph S. Dumas and Beth A. Loring
Copyright: 2008
Publisher: Morgan Kaufmann

STATEMENT OF VALUES
IUPUI values the commitment of students to learning; of faculty to the highest standards of teaching, scholarship, and service; and of staff to the highest standards of service. IUPUI recognizes students as partners in learning. IUPUI values the opportunities afforded by its location in Indiana’s capital city and is committed to serving the needs of its community. Thus, IUPUI students, faculty, and staff are involved in the community; both to provide educational programs and patient care and to apply learning to community needs through service. As a leader in fostering collaborative relationships, IUPUI values collegiality, cooperation, creativity, innovation, and entrepreneurship, as well as honesty, integrity, and support for open inquiry and dissemination of findings. IUPUI is committed to the personal and professional development of its students, faculty, and staff and to continuous improvement of its programs and services.

COURSE OUTCOMES
• Understand and explain the purpose of usability evaluation in the design of interactive systems.
• Understand the advantages and disadvantages of a diverse range of usability evaluation methods.
• Employ quantitative and qualitative approaches in usability assessment.
• Select appropriate usability evaluation methods for testing interactive systems, based on factors including the task domain, usability objectives, and user culture
• Prepare and successfully perform usability tests
• Analyze and present (verbally and written) the results of usability tests

COURSE GRADE BREAKDOWN
• Final team project and presentation (180 points)
• Quizzes (120 total points)
• Extra credit labs (20 points each – note that you must take at least 10 of the quizzes and not be in penalty deduction for attendance)

Quizzes
The quizzes test your knowledge of the material that should be read for the next class session. Each quiz will be released a week before the class, and will be shut off at the beginning of class.

Final Team Project
The final project is a thorough exercise in usability testing that is undertaken as a team, and a subsequent presentation of the steps taken to prepare and conduct the test, and the analysis and interpretation of the data.

Extra Credit Labs
There are four labs that you can take for extra credit. They are all in Excel, and they all give experience in handling data in that application. They are downloaded from Oncourse. Full instructions are given in the lab packet. Submit to the drop box in Oncourse.

LABS RUBRIC
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<th>Points</th>
<th>Description</th>
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<tr>
<td>20</td>
<td>Fully completed and correct, with obvious attention paid to detail.</td>
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<tr>
<td>10</td>
<td>Mostly complete, but with some error or oversight.</td>
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<tr>
<td>5</td>
<td>Barely started.</td>
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<tr>
<td>0</td>
<td>Did not turn in, or did not complete.</td>
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COURSE GRADE PERCENTAGE

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POLICIES for ATTENDANCE & ASSIGNMENT/PROJECT DEADLINES

Missing class time WILL affect your grade. Students are allowed two (2) excused or unexcused absences before their grade will be affected. Whether you are sick, have personal problems, or just feel like skipping class, it’s all the same. Missing class means you do not show for the entire evening of class. In this scenario, no doctor’s excuses or letters from your employer are necessary. The grade reduction policy works in this way.

- On the third missed class your final grade will drop 5 percentage points (regardless of the reason).
- On the fourth missed class your final grade will drop 10 percentage points (regardless of the reason).
- On the fifth missed class your final grade will drop 15 percentage points (regardless of the reason).
- On the sixth missed class a grade of “F” will be issued for the course or the student will have the option of dropping the course.

Responsible for due dates and related materials: All weekly assignments are the students’ responsibility whether you come to class or not. Weekly assignment deadlines should be adhered to, to ensure fairness to all students.

UNIVERSITY POLICIES

- University Attendance Policy: Attendance is required. The University regulations state: “Students are expected to be present for every meeting of the classes in which they are enrolled.” IUPUI faculty are required to submit to the office of the Register a record of student attendance through the semester, on which they will take action if the record conveys a trend of absenteeism. As a result, ATTENDANCE WILL BE TAKEN IN ALL CLASSES. An Attendance sheet will be passed out in class for each student to sign their name. If you do not sign your name while in class you will be marked absent. The instructor is not expected to remember who attended when, so signing the sheet while in class is important. Signing the attendance sheet for another student is absolutely prohibited. Any student found doing so will be in violation of university policies on ethics and/or conduct.

- Bringing your children to class: University Policy states that: “Children are not permitted to attend class with parents, guardians, or childcare providers. This conduct has the effect of unreasonably interfering with an individual’s work or academic performance creating an offensive learning environment.” “A student must not violate course rules as contained in a course syllabus, which are rationally related to the content of the course or to the enhancement of the learning process in the course.” [Code of Student Rights, Responsibilities, and Conduct, page 29]

- Academic Dishonesty / Integrity / Plagiarism: Using another student’s work on a project or assignment, cheating on a test, or any other form of dishonesty or plagiarism will result in a grade of zero on that assignment and possibly an "F" in the course, and will be referred to the Dean of Students. All students should aspire to high standards of academic honesty. This class encourages cooperation and the exchange of ideas. For further reference, students may see - http://life.iupui.edu/dos/code.htm

- Values and ethics: Profanity or derogatory comments about or towards the instructor or any member of the class will NOT be tolerated. Violating this rule will result in a warning and if the offense continues, administrative action will be taken.

- Code of Student Rights, Responsibilities and Conduct: All students are responsible for reading, understanding, and applying the Code of Student Rights, Responsibilities and Conduct of IUPUI. (students can access www.iupui.edu/code for further information regarding the above points)
• **Disabilities Policy:** In compliance with the Americans with Disabilities Act (ADA), all qualified students enrolled in this course are entitled to "reasonable accommodations." Please notify the instructor during the first week of class of any accommodations needed for the course. Students with learning disabilities must provide written verification for this policy to be recognized.