I680/I681
Human-Computer Interaction
Professional Practice

Indiana University School of Informatics IUPUI

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

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

COURSE DESCRIPTION
This is the HCI TCO, or “two course option” for initiating and completing a capstone project, testing it, analyzing the final data, and presenting the results. It fulfills the final HCI MS project requirement. I680 (first semester) is the design and planning semester, while I681 is for execution. The two courses are conducted in a seminar style.

REQUIRED COURSE TEXT: None

PREREQUISITES


In some cases, exceptions can be made for advanced graduate students with consent of instructor.

ABOUT THE PROJECT SERIES
The project series is composed of two courses (I680 and I681), three credits each. Students will register for each course (Fall and Spring), which has a formally scheduled class time. Students will work on one graduation project that extends throughout the two courses/semesters. Students will receive an official grade at the conclusion of each semester. Students are encouraged to take on a project that can be realistically finished by the time they complete both courses. Incompletes will NOT be permitted. Students taking this two-course option (TCO) are NOT required to take I575 (Informatics Research Design), which is primarily for HCI Master’s Thesis students and Ph.D. students. However, TCO students may take I575 as an Elective. TCO student may also take I624 (HCI Advanced Seminar I) as an Elective with permission from the instructor.

Note particularly that the project, its execution, and its quality, are entirely “owned” by the student. The student retains total responsibility for the project outcome.

I680 and I681 PROJECT ADVISOR
There is one instructor for both I680 and I681. The instructor acts as the mentor and chair. The instructor may elect to only advise, but retains the authority to approve or disapprove any project.

COURSE OUTCOMES
Each student will demonstrate knowledge and the ability to create an appropriate testing artifact and then execute an appropriate test or set of tests and evaluate the results of those tests. In addition, the student will receive information about various aspects of the HCI industry.
The student demonstrates capability in these areas:
1. Project planning
2. Problem space defining
3. Conceptual modeling
4. Business modeling
5. Identifying user needs & establishing product requirements
6. Developing alternative designs
   A. Paper prototyping
   B. Dynamic prototyping

COURSE DELIVERABLES
Mastery is demonstrated with two deliverables.

- A brief paper submitted in proper form. This paper will be copied to the HCI faculty.
- A presentation. This will be evaluated by the instructor, and may include panel members from industry or members of the faculty.

COURSE TIPS
- Your fellow students are your greatest asset, especially in the beginning stages of defining your project. Get together with them. Establish study groups. Share information.

GRADING
Grades are assigned according to the following rubric.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Planning was demonstrably thorough. The entire project reflected good use of existing literature, research/testing technique, prototyping, and other aspects of master’s level work. Creativity in selection of project and execution of it was evident. Demonstrated mastery of HCI principles and practice.</td>
</tr>
<tr>
<td>B</td>
<td>Planning and execution were slightly above average. Demonstrated good grasp of HCI principles and practice. No great degree of creativity, but a solid grounding in basics was on display.</td>
</tr>
<tr>
<td>C</td>
<td>Merely ordinary planning and execution. Little effort put into project. Demonstrated no more than rudimentary knowledge of HCI principles and practice.</td>
</tr>
</tbody>
</table>

Anything below a C is considered failure.

IRB (Institutional Review Board)
In most cases, students will want to recruit and select test participants from the general population to do human testing. Human testing outside of the classroom requires the IRB to approve your study. This process can be frustrating and lengthy, but it is necessary. You should begin your IRB training by taking CITI (Collaborative Institutional Training Initiative) here: [http://researchadmin.iu.edu/HumanSubjects/cert_req.html](http://researchadmin.iu.edu/HumanSubjects/cert_req.html). Take this course as soon as you can.

A representative of the IRB will speak to the class about IRB requirements. But be aware that IRB approval hinges on having a thorough research plan.

POLICIES for ATTENDANCE & ASSIGNMENT/PROJECT DEADLINES
- Missing class time WILL affect your grade. Students are allowed two (excused or unexcused) absences before their grade will be effected. In other words, whether you are sick or have personal problems or issues for missing class, it will amount to the same. Missing class means you do not show for the whole or majority of the session.
• **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 insure 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.