General Information

Read this sheet carefully, and save it for future reference.

Instructor

Name: Chun-Hsi (Vincent) Huang
Office: 259 ITEB
Phone: 486-5472
Email: huang@cse.uconn.edu
WWW: http://www.cse.uconn.edu/~huang

Course description

This course focuses on the design and implementation of complex software and/or hardware systems to solve problems. Students will, in groups or individually, apply their coursework/experience to formalize a problem, make decisions, resolve the problem and communicate their work via presentations to peer students. The instructor offers comments/advice on student projects, coordinates meetings, serves as hands-on manager, evaluates student projects and maintains a webpage as the repository of class materials, student presentation slides, etc.

Textbook and Materials

There is no required textbook for this course. Suggested references, however, will be posted to the course webpage.

Meetings and Milestones

The class meets from 3:30-5:30PM on Wednesdays. The meeting formats, schedules and project milestones will be finalized in the second week.

<table>
<thead>
<tr>
<th>Week of</th>
<th>Task(s)</th>
<th>Meeting Type</th>
<th>Meeting Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug. 27</td>
<td>Group Formation, Project Identification</td>
<td>Class</td>
<td>MONT 221</td>
</tr>
<tr>
<td>Sep. 3</td>
<td>Finalizing Project Scopes and Class Milestones</td>
<td>Class</td>
<td>MONT 221</td>
</tr>
<tr>
<td>Sep. 10</td>
<td>Group Presentations: <strong>Milestone I</strong></td>
<td>Class</td>
<td>MONT 221</td>
</tr>
<tr>
<td>Sep. 17</td>
<td>Coordinator Meeting - Report (Phase I) Discussion</td>
<td>Discussion</td>
<td>ITEB 201/259</td>
</tr>
<tr>
<td>Sep. 24</td>
<td>Group Presentations: <strong>Milestone II</strong></td>
<td>Class</td>
<td>MONT 221</td>
</tr>
<tr>
<td>Oct. 1</td>
<td>Coordinator Meeting - Report (Phase II) Discussion</td>
<td>Discussion</td>
<td>ITEB 201/259</td>
</tr>
<tr>
<td>Oct. 8</td>
<td>Lecture/Comments</td>
<td>Class</td>
<td>MONT 221</td>
</tr>
<tr>
<td>Oct. 15</td>
<td>Group Presentations: <strong>Milestone III</strong></td>
<td>Class</td>
<td>MONT 221</td>
</tr>
<tr>
<td>Oct. 22</td>
<td>Coordinator Meeting - Midterm Report (Phase III) Discussion</td>
<td>Discussion</td>
<td>ITEB 201/259</td>
</tr>
<tr>
<td>Oct. 29</td>
<td>Lecture/Comments</td>
<td>Class</td>
<td>MONT 221</td>
</tr>
<tr>
<td>Nov. 5</td>
<td>Coordinator Meeting - Report (Phase IV) Discussion</td>
<td>Discussion</td>
<td>ITEB 201/259</td>
</tr>
<tr>
<td>Nov. 12</td>
<td>Group Presentations: <strong>Milestone IV</strong></td>
<td>Class</td>
<td>MONT 221</td>
</tr>
<tr>
<td>Nov. 19</td>
<td>Coordinator Meeting - Final Report (Phase V) Discussion</td>
<td>Discussion</td>
<td>ITEB 201/259</td>
</tr>
<tr>
<td>Nov. 26</td>
<td><strong>Thanksgiving Recess</strong></td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dec. 3</td>
<td>Group Presentations: <strong>Milestone V</strong></td>
<td>Class</td>
<td>MONT 221</td>
</tr>
</tbody>
</table>
Preliminary milestones are set as follows.

- **Milestone I**: Preliminary Specs and Initial Project Plans
- **Milestone II**: Final Specs and Detailed Project Plans
- **Milestone III**: Implementation and Test Plans
- **Milestone IV**: Integration Plans
- **Milestone V**: Final Project Demonstration

### Course Evaluation

The following table indicates the grade breakdown which I will use in the evaluation. I reserve the right to make adjustments to the breakdown if I feel it is necessary.

- **40% Efforts**: Class Participation, Group Interaction and Presentations
- **60% Outcomes**: Final Demonstration, Project Codes, Documentation, *etc.*

### Incomplete (I) Grades

We will follow the University Policy on Incomplete Grades. Take the time to familiarize yourself with the contents of the related pages.

Generally, incomplete ("I") grades are not given. However, very rarely, circumstances truly beyond the student’s control prevents him or her from completing work in the course. In such cases the instructor can give a grade of "I". The student will be given instructions and a deadline for completing the work, usually no more than 30 days past the end of the semester. University and department policy dictate that “I” grades can be given only if the following conditions are met:

- An Incomplete will only be given for missing a small part of the course.
- An Incomplete will only be given when the student misses work due to circumstances beyond his/her control.
- An Incomplete will only be given when the student is passing the course except for the missed material.
- An Incomplete is to be made up with the original course instructor within the time specified by the appropriate University regulation (see appropriate document above), and usually within the following semester.
- An Incomplete will not be given to allow the student to informally re-take the entire course, and have that grade count as the grade of the original course.

Incompletes can not be given as a shelter from poor grades. **It is the student’s responsibility to make a timely resignation from the course if he or she is doing poorly for any reason.** The last day to resign the course is October 27.

### Course Process

The following is a tentative outline of the course process:

- Problem (Project) Identification; Group Formation
- Development of Project Specification
- Interactions and Feedback Collections
- Exploration of Design Alternatives
- Detailed Design and Testing
- Implementation and Integration
- Team Interactions and Dynamics
- Setting and Meeting Milestones
- Evaluation
WWW homepage

There is a web site for the course. Students are expected to visit the web site on a regular basis. The URL is:

http://www.cse.uconn.edu/~huang/fall08_4904/index.html