Course Syllabus

CSCE 6270 Advanced Topics in Human Computer Interaction

Instructors: Stephanie Ludi, Stephanie.ludi@unt.edu; NTDP F297B
Office Hours: Tues, Thurs: 10-11 & By Appt

Course Catalog Description

Students explore advanced topics in human-computer interaction based on current research and trends in the field. A research-focused project is evaluated using formal experimental methods, providing a solid foundation on conducting experimental design and analysis for user-centered projects.

Course Outcomes

1. Design an appropriate research question and methodology in the areas of Human-Computer Interaction.
2. Evaluate a contemporary research topic, via an appropriate research question and methodology for the selected topic.
3. Describe contemporary research methods and topics in Human-Computer Interaction.
4. Analyze data collected using appropriate quantitative and/or qualitative methods in order to draw conclusions and make recommendations for design.

Prerequisite(s): Graduate Standing

Course Requirements:

Attendance: Attendance is required

Exams: None

Project: Several deliverables in this course will relate to a research project that will also require some amount of implementation/design. The project can be done individually or with a partner (upon approval of the instructor).

Research Paper: The focus of the course is research as it relates to contemporary topics in Human-Computer Interaction. The paper is the culmination of the related Project (above)
Discussions (Online and In-Person): You will be expected to participate in discussions both on-line and in-person. The expectations is that you will regularly participate throughout the week (not just on the weekend for example) and that you will provide meaningful discussion that draws from the readings and any experiences you have.

Grading Policy

The various components of your grade are weighted as follows:

- Project Deliverables 40%
- Discussions 10%
- Paper Draft 20%
- Final Presentation 10%
- Final Paper 20%

NOTE: Do NOT consider the Canvas final grade calculation to be correct as it does not consider the category weights above. You need to calculate your grade yourself.

Course Calendar (subject to change as needed)

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Due / Announcements</th>
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<tbody>
<tr>
<td>Week 1 (8.28-)</td>
<td>Overview of Current Research</td>
<td>Read and summarize Week 1 papers fo</td>
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<tr>
<td>Week 2 (9.4-)</td>
<td>Continued from last week</td>
<td>Discussion of Week 1 papers in class; you pick 1 paper on a HCI topic of interest, be prepared to present is in Wk3</td>
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<tr>
<td>Week 3 (9.11-)</td>
<td>Student discussion of papers chosen</td>
<td>List of 3 topics is due on Saturday by 11:59pm</td>
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<tr>
<td>Week 4 (9.18)</td>
<td>Discussion of Topics</td>
<td>Draft of research questions due on Saturday by 11:59pm</td>
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<td>Week 5</td>
<td>Methodologies</td>
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<thead>
<tr>
<th>Week 6 (10.2-)</th>
<th>Discussion of work</th>
<th>Literature Review/Related Works due by Saturday 11:59pm</th>
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<tbody>
<tr>
<td>Week 7 (10.9-)</td>
<td>Continued</td>
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<tr>
<td>Week 8 (10.16-)</td>
<td>Continued</td>
<td>Draft of Methodology &amp; Experimental Design due Friday 11:59pm</td>
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<td>Week 9 (10.23-)</td>
<td>Status of Work</td>
<td></td>
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<tr>
<td>Week 10 (10.30-)</td>
<td>Peer Review</td>
<td>Paper Draft due Friday 11:59pm</td>
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<td>Week 11 (11.6-)</td>
<td>TBD</td>
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<tr>
<td>Week 12 (11.13-)</td>
<td>Status of Work</td>
<td></td>
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<tr>
<td>Week 13 (11.20-)</td>
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<td>THANKSGIVING HOLIDAY</td>
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<tr>
<td>Week 14 (11.27-)</td>
<td>Status of Work, but may need to do some presentations</td>
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<tr>
<td>Week 15 (12.4-)</td>
<td>Final Paper, Presentation</td>
<td>Final Paper due by Friday 11:59pm; Presentations in class</td>
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Finals | Reflection Report | Reflection Report due by Wednesday at noon

NOTE: The schedule may change if needed.

Course Policies:

ABSOLUTELY NO LATE work will be graded, unless specific arrangements are made with the instructor in advance.

All assignments will be turned in by the designated date due. Assignments may be submitted on Canvas in the appropriate drop box unless otherwise indicated.

ALL requests for extensions on assignments must be made prior to the due date, in person, and must be for a valid “emergency” reason. In extreme circumstances, contact after the due date may be accepted if there is a COMPELLING reason.

Attendance and participation is required, is part of your grade, and will be monitored in order to ensure that all groups operate at peak efficiency. You are responsible for all discussion, lecture and other information disseminated during the lecture period, regardless of whether you attend or not. You are also responsible for all team assignments made by your team lead and deliverable leads regardless of your attendance. You must provide documentation for excused absences for emergencies etc.

Lectures and assignments are included in this syllabus. However, you should regularly check the class on Canvas, as well as take note of in-class announcements for changes in the schedule or assignments.

Professional Conduct and Ethical Responsibility:

You will be representing yourself, your team, the CSE Department and UNT as you conduct the activities needed to deliver your capstone project. You are expected to conduct yourself professionally during team, class and sponsor interactions both verbally and in writing. This responsibility carries through in the project as well. Yes, you are learning new skills and applying what you have learned in other courses. The ACM Code of Ethics, available at: https://ethics.acm.org/, reflects the expectations of your conduct in this course. You are also expected to abide by the UNT Code of Conduct.

Collaboration and Cheating:

Collaboration among students in class is most certainly encouraged, as it is my belief that it provides a better learning environment, and is required for team assignments. All
resources used should be clearly cited in written work of any kind, both individual and team.

For further details and clarifications regarding collaboration and cheating, view the university Student Rights and Responsibilities web page.

**Student Perceptions of Teaching (SPOT)**

The Student Perceptions of Teaching (SPOT) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SPOT to be an important part of your participation in this class. SPOT will be available near the end of the term.

**ADA:**

UNT complies with all federal and state laws and regulations regarding discrimination including the Americans with Disability Act of 1990 (ADA). If you have a disability and need a reasonable accommodation for equal access to education or services please contact the Office of Disability Accommodation. I am more than happy to accommodate you in class, and you are expected to inform me of your ODA needs at the beginning of the course in order to maximize your success.