COMM3545 Human-Computer Interaction [Hybrid]

Instructor:	**Dr. Roselyn J. Lee-Won**
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Location & Time:	**Tue 3:00pm-4:50pm (Journalism 216)**
Office Hours:	**Tue 10:00am-12:00pm or by appointment (Derby 3074)**

Course Description and Objectives

This course aims to help you gain insights into the foundations of human-computer interaction and abilities to apply communication concepts and theories to the design of interactive technologies. To that end, we will (1) consider what constitutes "good" design, (2) study a variety of ways to conceptualize design problems, (3) examine how users' cognitive abilities and emotions should/could be taken into consideration in design processes, and (4) learn about various types of interfaces. Although effective interactive design depends on good visual design, we will not focus on these issues in this course. Instead, our understanding will be informed by social, psychological, and behavioral theories and research.

Course Format

This course is a **hybrid course**, which means that the course has **offline (in class) and online components.** There will be a set of weekly online activities, which will include quizzes, videos, small group discussions, etc. To get the most out of this format, students will first engage themselves with the online materials and then discuss the content in greater depth offline.

Course Readings

- Preece, J., Sharp, H., & Rogers, Y. (2015). *Interaction design: Beyond human-computer interaction* (4th ed.). New York: Wiley & Sons. **Noted as "ID" in the course schedule.*
- All other required readings will be available on Carmen (noted with Carmen in the course schedule).
  - ➢ *Copyright Disclaimer*
    The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

IMPORTANT NOTES ON EMAIL COMMUNICATION

This is a hybrid course, so we will frequently rely on email for communication. It is expected that students will check and read emails from the instructor and reach out to the instructor with any questions or concerns regarding course activities. ***Please observe the following when you email the instructor.***

- Include our course number in the subject line. For example, "[COMM3545] about online quiz 1"
- Follow proper business email etiquette when you initiate the conversation: (1) Include a clear, direct subject line (do not leave it blank) and (2) use a proper salutation (e.g., "Dear/Hello/Hi Dr. Lee-Won/Roselyn"). Personalizing email messages by addressing your recipient(s) can make a significant difference in the impression formation process. Consider this practice the first step to effective email communication!

<u>**OSU School of Communication Diversity Statement**</u>
The School of Communication at The Ohio State University embraces and maintains anenvironment that respects diverse traditions, heritages, experiences, and people. Our commitment to diversity moves beyond mere tolerance to recognizing, understanding, and welcoming the contributions of diverse groups and the value group members possess as individuals. In our School, the faculty, students, and staff are dedicated to building a tradition of diversity with principles of equal opportunity, personal respect, and the intellectual interests of those who comprise diverse cultures.

<u>**Title IX Statement**</u>
Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at http://titleix.osu.edu or by contacting the OSU Title IX Coordinator, Kellie Brennan, at titleix@osu.edu.

<u>**Academic Misconduct**</u>
It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct http://studentlife.osu.edu/csc/

<u>Accessibility accommodations for students with disabilities</u>

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know via email immediately so that we can privately discuss options. You are also welcome to register with Student Life Disability Services to establish reasonable accommodations. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: slds@osu.edu ; 614-292-3307; slds.osu.edu ; 098 Baker Hall, 113 W. 12th Avenue.

Grading Information

Graded Course Elements

Categories and Sub-categories of Graded Elements		Pts
Attendance & In-Class Participation		40
Online Quizzes (10pts x 5 out of 8)		50
Prototyping Exercise & Discussion (5pts x 2)		10
Exams	Exam 1	120
	Exam 2	140
Individual Assignments	"I, User" Reflections	5
	Interface Evaluation Paper	20
	Course Reflection Paper	10
Team Project	Milestones (5pts x 4)	20
	Presentation (Gr)	25
	Paper (Gr)	40
	Peer Evaluations	20
	Total	500

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(Gr) Assessment will be made on a group basis.

Grading Scale

Letter Grade	Grade Cut-Off	
	Percentages	Pts
A	93%	465
A-	90%	450
B+	87%	435
B	83%	415
B-	80%	400
C+	77%	385
C	73%	365
C-	70%	350
D+	67%	335
D	60%	300
E	< 60%	< 299

Course Requirements

1. **Attendance & In-Class Activities**
   - As a hybrid-format course meeting offline once a week, students are expected to actively participate in offline/in-class activities.
   - **Attendance will be taken for most class meetings.** You are allowed to use **a maximum of TWO penalty-free absences**. *You are NOT required to notify the instructor of these absences.*
   - **Beyond the penalty-free absences, students should submit a copy of official documentation** (e.g., doctor's note, interview invitation email…) to avoid penalization. **An absence that is not formally documented (an undocumented absence) will result in a deduction of −3 points of your Attendance & Participation grade.**
   - **THREE OR MORE undocumented absences beyond the penalty-free absences will lower your final grade by half letter grade (e.g., A → A−, A− → B+).**
   - The instructor does reserve the right to lower the overall participation scores of those who repeatedly cause distractions or do not pay attention to class activities.

2. **In-Class Exams**
   - Both Exam 1 and Exam 2 will contain true-false and multiple-choice questions.
   - Exam guides and review sessions will be provided.

3. **Online Quizzes (8 online quizzes; 3 lowest scores dropped)**
   - The quizzes are designed to engage students with the required reading assignments and other assigned materials ahead of in-class sessions.
   - ==**Unless otherwise noted,** the quizzes will be activated by the end of **Wednesday** and will close at **11:59pm on the following Monday** (the night before our class meeting)**.** Note the specific dates in the schedule table on pp. 6-7 of this syllabus.==
   - There will be a sufficient amount of time and flexibility for you to complete each quiz. For example, if you miss one quiz and get a "0" for the quiz, this will be dropped as one of the lowest scores. Also, answer key for each quiz will be released to those who completed the quiz to review via the Canvas system. **Thus, make-up requests for missed quizzes will NOT be considered; there will be no exceptions.**

4. **Individual Assignments**
   Below are the individual assignment items. Specific instructions for each assignment will be provided on Carmen.
   - **"I, User" reflections**
     Create a self-introductory slide presentation introducing yourself and reflecting on one or more technological artifacts that you appreciate most as a user.
   - **Interface evaluation paper**
     Analyze and evaluate your interaction with a designated technological interface, applying relevant concepts covered in the required readings.
   - **Course reflection paper**
     Write a reflection paper on theories, concepts, and research findings covered in this course.

5. **Group Project**
   - *In a team of four to five (or six, if need be) members,* you will be working on a team project (i.e., evaluating one or more digital/interactive technologies drawing on the theories, concepts, and empirical research findings covered in this course), deliver an oral presentation to the class, and co-author a team paper. At the end of the project, peer evaluations will be performed.
     Further guidelines for the project and sample materials will be provided to you during Week 3.

Course Policies

1. **Respect for the class community as a whole**
   - When in class, you should give your full attention to any person who is speaking (whether it is the professor or another student). Do not engage in any distracting/disruptive behaviors.
   - *The instructor reserves the right to ask students engaging in distracting/disruptive behaviors during class to leave.*

2. **Academic integrity**
   - **Academic misconduct will NOT be tolerated in this course.** The Ohio State University's *Code of Student Conduct* (Section 3335-23-04) defines academic misconduct as: "Any activity that tends to compromise the academic integrity of the University or subvert the educational process."

Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. The sanctions for the misconduct could include **a failing grade in the course, suspension, or even dismissal from the University**. Ignorance of the University's Code of Student Conduct is never considered an excuse for academic misconduct, so students should review the Code of Student Conduct as specified in: https://studentconduct.osu.edu/

- It is your responsibility to be aware of the rules of academic dishonesty. Please read through the "Ten Suggestions for Preserving Academic Integrity" available at: https://oaa.osu.edu/academic-integrity-and-misconduct/student-misconduct

- **When in doubt, be sure to consult your instructor before doing anything about which you are uncertain – DO NOT HESITATE TO ASK.**

3. **Make-up policy**
   - Exams and assignments can only be made up in the event of serious illness, death in the family, a religious conflict, or pre-approved university activity (e.g., athletic event).
     - For a religious conflict or university activity, the request must be made in advance; otherwise, make-up/rescheduling will not be allowed.
     - In the case of an illness, students will need to present documentation from a medical professional stating that the student's illness prevented them from taking the exam on the scheduled date. Documents that are not dated and do not indicate the severity of the illness will not be accepted.
   - *As noted in the Course Requirements section on Online Quizzes, no make-up will be allowed for any missed online quizzes.*

4. **In-class technology use**
   - Using technology during class for anything other than taking notes and/or referring to the readings and other course-related materials will negatively affect your participation grade.

5. **Lecture notes policy**
   - **Please note that the instructor will NOT make full class lecture notes/slides available.** This is intended to (1) minimize distractions during class and to (2) prevent unauthorized distribution and misuse of lecture materials outside the class.
   - It is important that students make every effort to attend class and take notes during class. **If a student, for any reason, miss a class, it is the student's responsibility to (1) obtain notes from someone else in the class and/or (2) meet with the instructor during office hours to review the missed content.**

6. **Grading policy: IMPORTANT!**
   - To keep the grading process fair to everyone in the class, the instructor will NOT make grade adjustments based on factors outside the grade components and course policies.
   - The instructor will NOT accept any end-of-semester requests to "round up" to the next grade level, no matter how close the scores are.

Appendix: Course Schedule

❖ *This syllabus presents a contract in the works. Events that happen over the semester may require me to modify the administration of the course; therefore, specific items listed in the table may be subject to change. If changes/adjustments need to be made, I will make announcements well in advance to help you to plan things ahead.*

❖ ***IMPORTANT: Most due dates for assignments for a given week come BEFORE class meetings. Mark your calendar so that you won't miss any of the due dates!***

Wk	Class Meeting Dates & Topics	Online Activities & Assignments	Assigned Materials	Offline (In-Class) Activities	Other Logistics/Notes
1	**01/8** *Course Introduction*	N/A	N/A	• Participation roster per federal guidelines • Roadmap for the course	• Instructions on the "I, User" Reflections
2	**01/15** *Key Concepts*	• (1) Quiz 1 & (2) "I, User" Reflections due on 01/14 (11:59pm)	• ID 1 • affordance, mapping, & consistency[Carmen] • ID 2.1-2.5 • Sundar & Marathe (2010) [Carmen]	• Lecture & discussion	• Poor Design Hunt (small group activity)
3	**01/22** *Cognition in HCI*	• Quiz 2 due on 01/21 (11:59pm)	• ID 3.1-3.3 • Oh, Robinson, & Lee (2013)[Carmen] • Recognition vs. Recall[Carmen]	• Lecture & discussion	• Team project instructions
4	**01/29** *Socialness in HCI*	• Quiz 3 due on 01/28 (11:59pm)	• ID 4 • Reeves & Nass (1996) [Carmen] • Lee & Nass (2010) [Carmen]	• Lecture & discussion	• Start forming project teams
5	**02/05** *Affect in HCI*	• Quiz 4 due on 02/04 (11:59pm)	• ID 5.1-5.5 • Uncanny valley[Carmen] • Picard (2003)[Carmen]	• Lecture & discussion	• Finalize project teams • Exam 1 Review
6	**02/12** **Exam**	• Project Milestone 1 due on <mark>02/14 (11:59pm)</mark> *NOTE THE DUE DATE*	**Exam 1** **(Regular class meeting time)**		
7	**02/19** *Voice User Interface & Touch-Based Interface*	• Quiz 5 due on 02/18 (11:59pm) • Project Milestone 2 due on <mark>02/21 (11:59pm)</mark> *NOTE THE DUE DATE*	• Nass & Brave (2005) [Carmen] • Brasel & Gips (2015) [Carmen]	• Lecture & discussion	• Instructions on project deliverables

Wk	Class Meeting Dates & Topics	Online Activities & Assignments	Assigned Materials	Offline (In-Class) Activities	Other Logistics/Notes
8	**02/26** *Affordances for Mediated Relationships*	• Quiz 6 due on 02/25 (11:59pm)	• Fox & McEwan (2017)[Carmen]	• Lecture & discussion • One-on-one team meetings	• Group work
9	**03/05** *Ubiquitous Computing*	• Quiz 7 due on 03/04 (11:59pm)	• Weiser (1991)[Carmen] • Takayama (2017) [Carmen]	• Lecture & discussion • One-on-one team meetings	• Group work • Interface Evaluation Paper due on ==03/07 (11:59pm)== *NOTE THE DUE DATE*
10	**03/12** (No Class)	*Spring Break* Enjoy your break!			
11	**03/19** *Inclusive Design & Prototyping*	• Quiz 8 & Project Milestone 3 due on 03/18 (11:59pm)	• Haptic & Wearables (ID 6.2.13 & 6.2.18) • Prototyping (ID 11.2) • Inclusive Design web resources [Carmen]	• Lecture & discussion • One-on-one team meetings	• Group work
12	**03/26** *Lingering Questions*	• Project Milestone 4 due on 03/25 (11:59pm)	• Materials from Wk8 through Wk11	• General feedback on the Interface Evaluation Paper	• Prototyping Exercise & Discussion: Part 1 due on ==03/28 (11:59pm)== *NOTE THE DUE DATE*
13	**04/02** *Project Presentations (1)*	• **Presenting teams only:** Slides due on 04/01 (11:59pm)	• **Everyone:** Mandatory audience feedback (counted toward Attendance & Participation)		
14	**04/09** *Project Presentations (2)*	• **Presenting teams only:** Slides due on 04/08 (11:59pm)	• **Everyone:** Mandatory audience feedback (counted toward Attendance & Participation)		
15	**04/16** *Wrapping Up & Exam Review*	• Prototyping Exercise & Discussion: Part 2 due on 04/15 (11:59pm)	• Exam 2 online guide • Project-related tasks	• Exam 2 review	• Team Paper & Peer Evaluations due on ==4/18 (11:59pm)== *NOTE THE DUE DATE*
16	**Final Logistics & Exam**	• Course Reflection Paper due on ==4/23 (11:59pm)== *NOTE THE DUE DATE*	N/A	**Exam 2** ==**4/26 (Friday, 2:00pm-3:45pm)**== *NOTE THE DATE & TIME!*	

☼ **Note on the exam schedule:**
Because the exams should be administered and graded in a fair manner for everyone enrolled in this course, alternative arrangements will be made only in the event of official university function (e.g., athletic event), family emergencies, serious illness and medical needs that can be DOCUMENTED. Students should (1) notify me in advance and (2) provide formal and proper documentation to be considered for alternative arrangements.