ITE 444
HUMAN-COMPUTER INTERACTION

Instructor

Email:
Phone:
Office:
URL:

Course Description
This course covers the fundamental concepts and techniques for design, implementation, and evaluation of human computer interfaces. Topics include foundations of human-computer interaction, human-centered design, understanding users, affective aspects, data gathering, prototyping, and evaluation of user interfaces.

Learning Outcomes
Upon completion of ITE 444, students will be able to:

- Develop an understanding of the principles and concepts in the study of human-computer interaction
- Utilize the techniques to design user interfaces
- Evaluate user interfaces

Required Textbook

References

Topics

WEEK 1  Introduction
WEEK 2  Understanding and Conceptualizing Interaction
WEEK 3  Understanding users
WEEK 4  Collaboration
WEEK 5  Affective Aspects
WEEK 6  Interfaces and Interaction
WEEK 7  Review and Midterm I
WEEK 8  The Process of Interaction Design
WEEK 9  Spring Break
WEEK 10  Needs and Requirements
WEEK 11  Design and prototyping
WEEK 12  Evaluation
WEEK 13  Review and Midterm II
WEEK 14  Evaluation Framework
WEEK 15  Usability Testing
WEEK 16  Analytical Evaluation
WEEK 17  Final

Testing Policy

✓ All exams are closed book and notes. Midterms will be given during regular class hours and the final will be given at the time allocated by the university.
✓ There won’t be any make-up exams except as indicated by UNLV policies.
✓ The contents of the exams will be from the textbook, class notes and class discussions. The final exam will be comprehensive (i.e., it will cover all the topics of the course).
✓ Cheating during an exam won’t be tolerated. It will be penalized with a zero (0) grade for that exam and the misconduct will be handled per UNLV’s Student Academic Misconduct Policy, which can be found at https://www.unlv.edu/studentconduct/student-conduct
Assignment/Project Policy

✓ All assignments must be submitted by 11:59PM on the date they are due. No late assignments will be accepted.

✓ All assignments will be posted on WebCampus. The assignment and related questions will be discussed in class. All assignments must be submitted through WebCampus.

✓ All assignments are to be your own work. No group assignments are allowed unless stated otherwise. Cheating won’t be tolerated and it will be penalized with a zero (0) grade for that assignment.

✓ Plagiarism during a assignment/project won’t be tolerated. It will be penalized with a zero (0) grade for that assignment and the misconduct will be handled per UNLV’s Student Academic Misconduct Policy, which can be found at: https://www.unlv.edu/studentconduct/student-conduct

Grading Policy

Midterms (2): 40%
Final: 30%
Assignment/Project: 30%

A: [90-100]  A-: [87 - 90)  B+: [83 - 87)
B: [80 - 83)  B-: [77 – 80)  C+: [73 - 77)
C: [70 - 73)  C-: [67 – 70)  D+: [63 - 67)
D: [60 - 63)  D-: [55 – 60)  F: < 55

The instructor reserves the right to change the grading policy at any time, but will not make the requirements more stringent than those stated here.

All the announcements, assignments, grades, and the changes to the syllabus will be posted on WebCampus. It is the students’ responsibility to check WebCampus regularly.

Selected UNLV Policies:

Academic Misconduct – Academic integrity is a legitimate concern for every member of the campus community; all share in upholding the fundamental values of honesty, trust, respect, fairness, responsibility and professionalism. By choosing to join the UNLV community, students accept the expectations of the Student Academic Misconduct Policy and are encouraged when faced with choices to always take the ethical path. Students enrolling in UNLV assume the obligation to conduct themselves in a manner compatible with UNLV’s function as an educational institution.
An example of academic misconduct is plagiarism. Plagiarism is using the words or ideas of another, from the Internet or any source, without proper citation of the sources. See the Student Academic Misconduct Policy (approved December 9, 2005) located at: https://www.unlv.edu/studentconduct/student-conduct.

Copyright – The University requires all members of the University Community to familiarize themselves with and to follow copyright and fair use requirements. You are individually and solely responsible for violations of copyright and fair use laws. The university will neither protect nor defend you nor assume any responsibility for employee or student violations of fair use laws. Violations of copyright laws could subject you to federal and state civil penalties and criminal liability, as well as disciplinary action under University policies. Additional information can be found at: http://www.unlv.edu/provost/copyright.

Disability Resource Center (DRC) – The UNLV Disability Resource Center (SSC-A 143, http://drc.unlv.edu/, 702-895-0866) provides resources for students with disabilities. If you feel that you have a disability, please make an appointment with a Disabilities Specialist at the DRC to discuss what options may be available to you.

If you are registered with the UNLV Disability Resource Center, bring your Academic Accommodation Plan from the DRC to the instructor during office hours so that you may work together to develop strategies for implementing the accommodations to meet both your needs and the requirements of the course. Any information you provide is private and will be treated as such. To maintain the confidentiality of your request, please do not approach the instructor before or after class to discuss your accommodation needs.

Religious Holidays Policy – Any student missing class quizzes, examinations, or any other class or lab work because of observance of religious holidays shall be given an opportunity during that semester to make up missed work. The make-up will apply to the religious holiday absence only. It shall be the responsibility of the student to notify the instructor no later than the end of the first two weeks of classes of his or her intention to participate in religious holidays which do not fall on state holidays or periods of class recess. For additional information, please visit: http://catalog.unlv.edu/content.php?catoid=6&navoid=531.

Incomplete Grades - The grade of I – Incomplete – can be granted when a student has satisfactorily completed three-fourths of course work for that semester/session but for reason(s) beyond the student’s control, and acceptable to the instructor, cannot complete the last part of the course, and the instructor believes that the student can finish the course without repeating it. The incomplete work must be made up before the end of the following regular semester. If course requirements are not completed within the time indicated, a grade of F will be recorded and the GPA will be adjusted accordingly. Students who are fulfilling an Incomplete do not register for the course but make individual arrangements with the instructor who assigned the I grade.

Tutoring – The Academic Success Center (ASC) provides tutoring and academic assistance for all UNLV students taking UNLV courses. Students are encouraged to stop by the ASC to learn more about subjects offered, tutoring times and other academic resources. The ASC is located across from the Student Services Complex (SSC). Students may learn more about tutoring services by calling 702-895-3177 or visiting the tutoring web site at: http://academicsuccess.unlv.edu/tutoring/.
**UNLV Writing Center** – One-on-one or small group assistance with writing is available free of charge to UNLV students at the Writing Center, located in CDC-3-301. Although walk-in consultations are sometimes available, students with appointments will receive priority assistance. Appointments may be made in person or by calling 702-895-3908. The student’s Rebel ID Card, a copy of the assignment (if possible), and two copies of any writing to be reviewed are requested for the consultation. More information can be found at: [http://writingcenter.unlv.edu/](http://writingcenter.unlv.edu/)

**Rebelmail** – By policy, faculty and staff should e-mail students’ Rebelmail accounts only. Rebelmail is UNLV’s official e-mail system for students. It is one of the primary ways students receive official university communication such as information about deadlines, major campus events, and announcements. All UNLV students receive a Rebelmail account after they have been admitted to the university. Students’ e-mail prefixes are listed on class rosters. The suffix is always @unlv.nevada.edu. **Emailing within WebCampus is acceptable.**

**Final Examinations** – The University requires that final exams given at the end of a course occur at the time and on the day specified in the final exam schedule. See the schedule at: [http://www.unlv.edu/registrar/calendars](http://www.unlv.edu/registrar/calendars).

**ACM Code of Ethics** – Students must also agree to abide by the Association for Computing Machinery’s “Code of Ethics and Professional Conduct” for computing professionals [http://www.acm.org/constitution/code.html](http://www.acm.org/constitution/code.html).

**Library Resources** – Students may consult https://www.library.unlv.edu/consultation with a librarian on research needs. For this class, the subject librarian is Sue Wainscott. (https://www.library.unlv.edu/contact/librarians_by_subject). UNLV Libraries provides resources to support students’ access to information. Discovery, access, and use of information are vital skills for academic work and for successful post-college life. Access library resources and ask questions at [https://www.library.unlv.edu](https://www.library.unlv.edu).