



## Information Systems Department

# Course Syllabus

## IS370 – Human Computer Interaction

**Catalog Description:** This course provides an introduction to the field of human-computer interaction (HCI), an interdisciplinary field that integrates cognitive psychology, design, computer science and others. Examining the human factors associated with information systems provides the students with knowledge to understand what influences usability and acceptance of IS. This course will examine human performance, components of technology, methods and techniques used in design and evaluation of IS. Societal impacts of HCI such as accessibility will also be discussed. User-centered design methods will be introduced and evaluated.

**Credit Hours:** 3 Credit hours: 3 Lectures per week 0 Labs. per week 0 Recitation per week

**Prerequisites:** IS220

**Course Learning Outcomes:**

1. Describe the concepts of user differences, user experience and collaboration as well as how to design contextually
2. Describe the different devices used for input and output and the issues / opportunities associated with these devices
3. State the role of theory and frameworks in HCI
4. Design and evaluate effective computer interfaces
5. Apply contemporary techniques to evaluate computer interfaces
6. Prepare software design process in order to create computer interfaces
7. Work effectively in groups and exercise leadership when appropriate
8. Communicate effectively in oral and written form

**Major Topics:**

- Introduction to the Field of Human-Computer Interaction (HCI)
- Design, Evaluation, and Implementation of Interactive Computing Systems for Human Use
- Study of Major Phenomena Related to Interactive Systems
- System Design, Selection, Installation, Evaluation, and Use with the Knowledge of Human Characteristics
- Interaction Styles, Use Context, Task Characteristics
- Methods and Techniques Used in Design and Evaluation of IS.
- Project Discussions



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**Text Books:** Human-Computer Interaction (3rd Edition) 3rd Edition, by Alan Dix , Janet E. Finlay , Gregory D. Abowd , Russell Beale , ISBN-13: 978-0130461094, ISBN-10: 0130461091

**Grading:** ☉ The grading scale for this course is:

- 95 - 100 A+ Passing
- 90 - 94 A Passing
- 85 - 89 B+ Passing
- 80 - 84 B Passing
- 75 - 79 C+ Passing
- 70 - 74 C Passing
- 65 - 69 D+ Passing
- 60 - 64 D Passing
- 0 - 59 F Failing

☉ Final grades will be determined based on the following components:

- . 60% Semester Work
- . 40% Final Exam

☉ Students may not do any additional work for extra credit nor resubmit any graded activity to raise a final grade.

☉ Late submissions will not be accepted for any graded activity for any reason.

☉ Students have one week to request the re-grading of any semester work.

**Attendance Policy:** Students should attend 80% of the overall course hours taught in the semester as per the University regulations.

If a student fails to achieve this portion, he/she shall not be allowed to appear in the final exam and shall be awarded “DN” grade and repeat the course.

**Cheating and Plagiarism Policy:** The instructor will use several manual and automated means to detect cheating and/or plagiarism in any work submitted by students for this course.

When a student is suspected of cheating or plagiarism, the instructor raises the issue to the disciplinary committee.



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**Communications:** Registered students will be given access to a section of the Learning Management System (LMS) for this course. LMS will be used as the primary mechanism to disseminate course information, including announcements, lecture slides, assignments, and grades.

Communication with the instructor on issues relating to the individual student should be conducted using CIS email, via telephone, or in person.