



THE UNIVERSITY OF WINNIPEG

APPLIED COMPUTER SCIENCE

Course Number: ACS-3816-050 / ACS-3916-050

Course Name: Human-Computer Interaction

1 Instructor Information

Instructor: Jeanette Bautista
E-mail: je.bautista@uwinnipeg.ca
Website: <http://faculty.acs.uwinnipeg.ca/jbautista/>
Office Hours: Mondays 17:00 – 18:00 Office: 3C08
Class Meeting Time: Mondays 18:00 – 21:00 Room No: 3D01

2 Important Dates

1. First class: Monday, September 11, 2017
2. Reading week: October 8-13, 2017 (no classes)
3. Midterm exam: Monday, October 23, 2017
4. Last class: Monday, December 4, 2017
5. Final exam: Monday, December 11, 2017
6. Final withdrawal date (without academic penalty): Friday, November 10, 2017. A minimum of 20% of the work on which the final grade is based will be evaluated and available to the student before this date.

3 Course Objectives/Learning Outcomes

This course covers the fundamentals and concepts of design, implementation, and evaluation of human-computer interfaces. Topics include human cognitive aspects; user-centred design; design goals and principles; interface and interaction types; prototyping and construction; and evaluation methods. The design concepts are demonstrated using an interface development tool. In order to make a balance between theory and practice, emphasis is placed on a course-end project involving design, implementation and evaluation of the user interface for a specific application.

4 Evaluation Criteria

1. Assignments (10%)
 - 5 assignments worth 1-3% each
 - May include any or a combination of the following:
 - Theory, design, prototyping, analysis exercises
 - Due at the beginning of class on due dates.
 - No late assignment will be accepted, or under special circumstances may be accepted up to 1 day late with a 25% penalty

2. Project (20%)
 - Individual final projects
 - Due Dates:
 - Project Proposal: October 30
 - Final submission: December 3
 - Project Presentation: December 4
3. Midterm Exam (25%)
 - The midterm exam will be during the first half of the scheduled class on October 23
 - Regular class will recommence in the second half
 - see #4 below
4. Final Exam (45%)
 - Should illness prevent participation in a test or examination, a medical certificate from a certified physician must be supplied before any adjustments are considered

Students should contact the instructor as soon as possible if extenuating circumstances require missing an assignments, test or examination.

5 Final Letter Grade Assignment

Historically, numerical percentages have been converted to letter grades using the following scale. However, instructors can deviate from these values based on pedagogical nuances of a particular class, and final grades are subject to approval by the Department Review Committee.

A+	90 – 100%	B+	75 – 79%	C	60 – 64%
A	85 – 90 %	B	70 – 74%	D	50 – 59%
A-	80 – 84%	C+	65 – 69%	F	below 50%

6 Exam Requirements

- Photo ID is required for the final exam.
- The use of computers, calculators, phones, or other electronic devices is not permitted on exams.
- Midterm and final exams are closed book.

7 Services for Students

Students with documented disabilities, temporary or chronic medical conditions, requiring academic accommodations for tests/exams (e.g., private space) or during lectures/laboratories (e.g., notetakers) are encouraged to contact Accessibility Services (AS) at 786-9771 or accessibilityservices@uwinnipeg.ca to discuss appropriate options. All information about a student's disability or medical condition remains confidential. <http://www.uwinnipeg.ca/accessibility>.

Students may choose not to attend classes or write examinations on holy days of their religion, but they must notify their instructors at least two weeks in advance. Instructors will then provide opportunity for students to make up work examinations without penalty. A list of religious holidays can be found in the 2017-18 Undergraduate Academic Calendar.

All students, faculty and staff have the right to participate, learn, and work in an environment that is free of harassment and discrimination. The UW Respectful Working and Learning Environment Policy may be found online at www.uwinnipeg.ca/respect .

8 Misuse of Computer Facilities, Plagiarism, and Cheating

Academic dishonesty is a very serious offense and will be dealt with in accordance with the University's policies. Be sure that you have read and understood Regulations & Policies #8, in the 2017-2018 UW Undergraduate Academic Calendar available at <http://uwinnipeg.ca/academics/calendar/docs/regulationsandpolicies.pdf>.

Additional information is available at University of Winnipeg library video tutorial "Avoiding Plagiarism" <https://www.youtube.com/watch?v=UvFdxRU9a8g>

9 Required Text Book / Reading List

- Interaction Design: Beyond Human-Computer Interaction, Preece, Rogers and Sharp, Wiley 4th Edition, 2015
 - ISBN 978-1-119-02075-2 (printed)
 - ISBN 978-1-119-06601-9 (ebook)
- Additional readings and material that are not covered by the textbook will be provided by the instructor
- Class Notes will be available at <http://courses.acs.uwinnipeg.ca/3916-050/>

10 Prerequisite Information

- Prerequisites: A grade of at least C in ACS-2909(3) and ACS-2814(3) (or the former ACS-2914(3))
- Restrictions: Students cannot hold credit in ACS-3916(3) and ACS-3816(3)

11 List of Topics to be covered (tentative)

1. Introduction to HCI
2. Understanding and Conceptualizing Interaction
3. Understanding Users
4. The process of Interaction Design
5. Identifying needs and establishing requirements
6. Observing Users
7. Design, Prototyping, and Construction
8. Evaluation
9. Special Topics in HCI

Note that all topics listed may not be covered and may be offered in a slightly different time order.

12 Additional Course Related Information

1. When it is necessary to cancel a class due to exceptional circumstances, instructors will make every effort to inform you via uwinnipeg email, as well as the departmental assistant and Chair/Dean so that class cancellation forms can be posted outside classrooms.
2. Your uwinnipeg email address will normally be used for course related correspondence.
3. Please note that withdrawing before the VW date does not result in a fee refund.
4. Class make-up days are scheduled at the end of term for courses that conflict with holidays.