COSC 419: Intelligent User Interfaces

Instructor: Dr. Bowen Hui
Class Schedule: 1:00 PM – 4:30 PM M/Th
Location: SCI 234
Office Hours: By appointment, in SCI 257
Course Website: https://people.ok.ubc.ca/bowenhui/iui/
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Course Description

This is a special topics course on Intelligent User Interfaces (IUI) – an area of Computer Science that combines techniques from Artificial Intelligence (AI) and Human-Computer Interaction (HCI). The course material is drawn from state-of-the-art research and development. As such, this course emphasizes on critical thinking and literature review. To provide a practical perspective of this field, a project component is designed in the course that requires applying techniques studied in a program implementation.

This course does not assume students have taken AI or HCI. Background in mathematical areas such as logic, probability theory, Bayesian inference, and hypothesis testing is helpful.

Prerequisite/Co-requisite: Fourth-year standing, or permission of the instructor.

Evaluation Criteria

Grading: Total 100%
- 25% Assignments
- 25% Paper Presentations
- 50% Project Implementation and Checkpoint Presentations

Note: All assignments are due at 9:00am on the day of the reading. All presentations are to be done in class on the day of the scheduled presentation.

Late Penalty: No late work will be accepted unless a medical note is provided.

Students MUST achieve a passing grade on all the course components in order to pass the course. Failure to do so will result in a 45% grade, or the resulting grade, whichever is lower.

Academic Integrity

The academic enterprise is founded on honesty, civility, and integrity. As members of this enterprise, all students are expected to know, understand, and follow the codes of conduct regarding academic integrity. At the most basic level, this means submitting only original work

done by you and acknowledging all sources of information or ideas and attributing them to others as required. This also means you should not cheat, copy, or mislead others about what is your work. Violations of academic integrity (i.e., misconduct) lead to the breakdown of the academic enterprise, and therefore serious consequences arise and harsh sanctions are imposed. **For example, incidences of plagiarism or cheating usually result in a failing grade or mark of zero on the assignment or in the course.** Careful records are kept to monitor and prevent recidivism. A more detailed description of academic integrity, including the policies and procedures, may be found at http://www.calendar.ubc.ca/okanagan/index.cfm?tree=3,54,111,959. If you have any questions about how academic integrity applies to this course, consult with the instructor.

Disability Assistance

If you require disability-related accommodations to meet the course objectives, please contact the Coordinator of Disability Resources located in the Student Development and Advising area of the student services building. For more information about Disability Resources or academic accommodations, please visit the website at http://web.ubc.ca/okanagan/students/disres/welcome.html.