



**DEPARTMENT OF SCIENCE**  
**COURSE OUTLINE – CS 3010**  
**USER INTERFACES**

**INSTRUCTOR:** David Gregg  
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**OFFICE HOURS:** TBA and by prior arranged appointment

**PREREQUISITE(S)/CO-REQUISITE:** CS 2010 prerequisite.

**REQUIRED TEXT/RESOURCE MATERIALS:** Introduction to Java Programming by D. Liang. Class notes, handouts and assigned readings. Students are expected to make extensive use of the on-line resources available.

**DESCRIPTION:** This course is an introduction to the theory, design, and programming of modern user interfaces (GUI) for computers, game consoles and mobile devices; input and output devices (including game controllers).

**COURSE LAYOUT:** This course is three lecture hours and two lab hours per week. When necessary, lab time will be utilized for lecturing on specific language and algorithmic concepts and features. The remainder of lab time will generally be used as "hands-on" programming time. Student grades and course information (notes, assignments etc) will be posted on the GPRC moodle system ([moodle.gprc.ab.ca](http://moodle.gprc.ab.ca)). It is the student's responsibility to check their "gprcstudents.net" email account for announcements related to the course.

**CREDIT/CONTACT HOURS:** 3(3-0-2)

**TRANSFERABILITY:** UA\*, UC, UL, AU. See the GPRC College Calendar and the Alberta Transfer Guide

**GRADING CRITERIA:**

The total percentage obtained in the course will be converted to a letter grade according to the GPRC grading conversion chart as published in the GPRC College Calendar.

**EVALUATION:**

Assignments	30%
Projects	30%
Midterm Exam	20%
Final Exam	20%

**STUDENT RESPONSIBILITIES:** Assignments/Projects are to be handed in and/or demonstrated in the scheduled lab on the due-date. Late assignments/projects will be penalized by 50%. Late assignments/projects may not be accepted after the end of classes. Some assignments may be weighted differently than others. Students will be eligible for a passing grade, **only if** they obtain 20 out of a possible 40 marks on exams. Students who are absent for more than 20% of lectures may be barred from writing the final examination and will receive a grade of F.

It is the student's responsibility to check their "gprcstudents.net" email account for announcements related to the course.

**STATEMENT ON PLAGIARISM AND CHEATING:**

Please refer to pages 49-50 of the College calendar regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.