DEPARTMENT OF SCIENCE

COURSE OUTLINE – CS 3110
INTRODUCTION TO COMPUTER GRAPHICS

INSTRUCTOR: David Gregg **PHONE:** 780 539 2976
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**OFFICE
HOURS:** TBA and by prior arranged appointment

PREREQUISITE(S)/CO-REQUISITE: CS 1150 or CS 2010.

REQUIRED TEXT/RESOURCE MATERIALS: Introduction to 3D Game
Programming with DIRECTX 9.0c—a Shader Approach by Frank D. Luna

DESCRIPTION:
Graphical input and output devices; segments; interactive input techniques; user interface design; windowing and clipping; 2D and 3D transformation; 3D modelling and viewing; hidden-line and hidden-surface removal.

COURSE LAYOUT: This course is three lecture hours and 3 lab hour per week. Student grades and course information (notes, assignments etc) will be posted on the GPRC moodle system (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(3-0-3)

TRANSFERABILITY: UA, UL, AU, UC. 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   25%
Quizzes   15%
Midterm Exam   30%
Final Exam   30%

STUDENT RESPONSIBILITIES: Assignments are to be handed in and/or demonstrated in the scheduled lab on the due-date. Late assignments will be penalized by 50%. Late assignments 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 37.5 out of a possible 75 marks (on exams and quizzes). 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 the College calendar regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.