



**DEPARTMENT OF SCIENCE  
COURSE OUTLINE – WINTER 2015  
CS2020 ALL SECTIONS: TECHNOLOGY TOOLS FOR  
TEACHING AND LEARNING-3 (1.5-0-3)**

**INSTRUCTORS:**

George Ding, C407, ph. 539-2031, [gding@gprc.ab.ca](mailto:gding@gprc.ab.ca)  
David Gregg, C426, ph.539-2976, [dgregg@gprc.ab.ca](mailto:dgregg@gprc.ab.ca)  
Libero Fecocelli, C424, ph. 539-2825, [lfecocelli@gprc.ab.ca](mailto:lfecocelli@gprc.ab.ca)

**OFFICE HOURS:** Monday 13:00-14:20 and Friday 8:30-9:50 (or By Appointment)

**PREREQUISITE:** None

**REQUIRED TEXT/RESOURCE MATERIALS:**

- i) Teachers Discovering Computers: Integrating Technology  
in A Changing World (8<sup>th</sup>) by Shelly, Cashman, Gunter and Gunter
- ii) USB Flash Memory Stick
- iii) Headphone or earphones with a USB or standard 3.5mm plug

**CALENDAR DESCRIPTION:**

This course will provide education students with the basic skills for using the most common information technology tools currently applied in schools. The type of tools includes Internet tools, digital media processing, multimedia/hypermedia presentations, spreadsheets, and database. The course offers a number of advanced modules dealing with more complex topics in these areas plus additional tools such as those for editing digital video and sound

**CREDIT/CONTACT HOURS:** 3 credits/1.5 hours lecture and 3 hours lab per week

**DELIVERY MODE(S):**

This course includes 1.5-hour lecture and 3-hour lab per week

**TRANSFERABILITY:** UA, UC\*, UL, AU, AUC.  
\* Consult Alberta Transfer Guide  
Students receiving grade of D or D+ will receive GPRC credit. These grades may not be acceptable for transfer to other institutions.

**EVALUATIONS:**

Your final grade will be determined in the following manner:

Lab Assignments	33%
Mid Term	29 %
Final Exam	38%

**GRADING CRITERIA:**

Your final Alpha Grade will be determined using the following approximate percentage conversion:

<b>GRADING CONVERSION CHART</b>			
<b>Alpha Grade</b>	<b>4-point Equivalent</b>	<b>Percentage Guidelines</b>	<b>Designation</b>
<b>A<sup>+</sup></b>	<b>4.0</b>	<b>95 – 100</b>	<b>EXCELLENT</b>
<b>A</b>	<b>4.0</b>	<b>90 – 94</b>	
<b>A<sup>-</sup></b>	<b>3.7</b>	<b>85 – 89</b>	<b>FIRST CLASS STANDING</b>
<b>B<sup>+</sup></b>	<b>3.3</b>	<b>80 – 84</b>	
<b>B</b>	<b>3.0</b>	<b>75 – 79</b>	<b>GOOD</b>
<b>B<sup>-</sup></b>	<b>2.7</b>	<b>70 – 74</b>	
<b>C<sup>+</sup></b>	<b>2.3</b>	<b>66 – 69</b>	<b>SATISFACTORY</b>
<b>C</b>	<b>2.0</b>	<b>62 – 65</b>	
<b>C<sup>-</sup></b>	<b>1.7</b>	<b>58 – 61</b>	
<b>D<sup>+</sup></b>	<b>1.3</b>	<b>55 – 57</b>	<b>MINIMAL PASS</b>
<b>D</b>	<b>1.0</b>	<b>50 – 54</b>	
<b>F</b>	<b>0.0</b>	<b>0 – 49</b>	<b>FAIL</b>
<b>WF</b>	<b>0.0</b>	<b>0</b>	<b>FAIL, withdrawal after the deadline</b>

### **STUDENT RESPONSIBILITIES:**

Students are responsible for all lecture material, labs and readings. If the midterm is missed due to illness the weight will be put on the final. If the final is missed due to illness it will be deferred (refer to [www.gprc.ab.ca](http://www.gprc.ab.ca) for timelines). A doctor's note and a phone message or email will be required in both cases. Labs should be done in your scheduled lab. If you cannot attend your lab for legitimate reasons, email your lab instructors and make arrangement to complete the lab during the current week.

### **STATEMENT ON PLAGIARISM AND CHEATING:**

Please refer to [www.gprc.ab.ca](http://www.gprc.ab.ca) for details of GPRC's policy regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

**COURSE SCHEDULE/TENTATIVE TIMELINE:**

<b>Week 1</b>	<b>Introduction</b>
<b>Week 2</b>	<b>Chapter 1</b>
<b>Week 3</b>	<b>Chapters 1-2</b>
<b>Week 4</b>	<b>Chapter 2</b>
<b>Week 5</b>	<b>Chapter 3</b>
<b>Week 6</b>	<b>Chapter 4</b>
<b>Week 7</b>	<b>Chapter 4</b>
<b>Week 8</b>	<b>Midterm</b>
<b>Week 9</b>	<b>Midterm Review and Chapter 5</b>
<b>Week 10</b>	<b>Chapter 5</b>
<b>Week 11</b>	<b>Chapter 6</b>
<b>Week 12</b>	<b>Chapter 7</b>
<b>Week 13</b>	<b>Chapter 8</b>
<b>Week 14</b>	<b>Review</b>