

SCIENCE DEPARTMENT

COURSE OUTLINE - FALL 2017

CS 2020: Technology Tools for Teaching and Learning – 3 (1.5-0-3) 4.5 Hours for 15 Weeks

INSTRUCTOR: David Gregg **PHONE:** (780)539-2976

OFFICE: C-427 **E-MAIL:** dgregg@gprc.ab.ca

OFFICE HOURS: TBA

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

PREREQUISITE(S)/COREQUISITE: none

REQUIRED TEXT/RESOURCE MATERIALS:

- i) *Teachers Discovering Computers: Integrating Technology in a Changing World* (8th) by Gunter and Gunter, ISBN: 978-1-285-84543-2
- ii) Headphone or earphones with a USB or standard 3.5mm plug.

DELIVERY MODE(S):

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

Lectures: A2 E301 Monday 11:30 – 12:50

VC Distance Delivery (Same Time)

Labs: L1 F207 Friday 14:30 – 17:20

VC Distance Delivery Friday 14:30 – 17:20

L2 TBA Mon or Tues 14:30 – 17:20

COURSE OBJECTIVES:

This course introduces students to:

- common information technology tools including: internet tools, digital media processing, multimedia/hypermedia presentations, spreadsheets, and databases.
- tools such as those for editing digital video and sound
- integrating appropriate technology into school curriculum.

LEARNING OUTCOMES:

As a result of taking this course, students will gain the ability to:

- use information technology including: internet tools, digital media, multimedia/hypermedia presentations, spreadsheets, databases.
- use tools for editing digital video and sound.
- integrate technology into the school curriculum.

TRANSFERABILITY:

UA, UC, UL, AU, KUC, GMU.

*Warning: Although we strive to make the transferability information in this document up-to-date and accurate, the student has the final responsibility for ensuring the transferability of this course to Alberta Colleges and Universities. Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at Alberta Transfer Guide main page http://www.transferalberta.ca or, if you do not want to navigate through few links, at http://alis.alberta.ca/ps/tsp/ta/tbi/onlinesearch.html?SearchMode=S&step=2

** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. **Students** are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability

EVALUATIONS:

Your final grade will be determined in the following manner:

Lab Assignments33%Midterm Exam29 %Final Exam38%

GRADING CRITERIA:

Please note that most universities will not accept your course for transfer credit **IF** your grade is **less** than C-.

Alpha Grade	4-point Equivalent	Percentage Guidelines	Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	90-100	C+	2.3	67-69
A	4.0	85-89	С	2.0	63-66
A-	3.7	80-84	C-	1.7	60-62
B+	3.3	77-79	D+	1.3	55-59
В	3.0	73-76	D	1.0	50-54
В-	2.7	70-72	F	0.0	00-49

COURSE SCHEDULE/TENTATIVE TIMELINE:

Sequence	Lecture Topics		
1	Introduction		
2	Integrating Educational Technology into the Curriculum		
3	Communications, Networks, the Internet, and the World Wide Web		
4	Software for Educators		
5	Hardware for Educators		
6	Midterm Exam		
7	Technology, Digital Media, and Curriculum Integration		
8	Online Teaching Technologies		
9	Evaluating Educational Technologies and Integration Strategies		
10	Security Issues and Ethics in Education		
11	Final Exam		

During the scheduled labs students will be introduced to various practical ways to integrate technology into the curriculum. The labs will cover the use of: internet tools, digital media, multimedia/ hypermedia presentations, spreadsheets, databases, and tools for editing digital video and sound.

STUDENT RESPONSIBILITIES:

Refer to the GPRC College Policy on Student Rights and Responsibilities. Students must complete all labs on time. Late labs will not be accepted.

STATEMENT ON PLAGIARISM AND CHEATING:

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the College Calendar at http://www.gprc.ab.ca/programs/calendar/ or the College Policy on Student Misconduct: Plagiarism and Cheating at https://www.gprc.ab.ca/about/administration/policies

**Note: all Academic and Administrative policies are available on the same page.