GRANDE PRAIRIE REGIONAL COLLEGE
DEPARTMENT OF SCIENCE

Technology Tools for Teaching and Learning
CS2020 3(1.5-0-3) UT 67.5 Hours
Winter 2009

ROOM:	Lecture:	**CS2020 A3**	**E306A**	**Mon**	**10:00 – 11:20**
		CS2020 B3	**J201**	**Thu**	**10:00 – 11:20**
	Lab:	CS2020 L1	A307	Tue	14:30 – 17:20
		CS2020 L2	A301	Wed	14:30 – 17:20
		CS2020 L3	A307	Thu	14:30 – 17:20
		CS2020 L4	A305	Fri	14:30 – 17:20

INSTRUCTOR: Dr. Reddy Ganta, J220, ph. 539-2850, Rganta@GPRC.AB.CA
Dr. George Ding, C407, ph. 539-2031, Gding@GPRC.AB.CA

Office Hours:

SYNOPSIS:

This course provides an overview of computing science concepts for students in the undergraduate Education program. We will explore a variety of computing topics and currently popular application tools. The type of tools includes: Internet tools, digital media processing, multimedia/hypermedia presentation, spreadsheets, word processing and databases.

The lab portion of the course will provide students with hands-on experience in several popular microcomputer software packages. Each student is expected to complete a variety of assignments on each major topic covered in class.

TEXT: i) Teachers Discovering Computers: Integrating Technology
        And Digital Media in the Classroom (5th) by Shelly, Cashman, Gunter and Gunter

    ii) Microsoft Office 2007: Windows Vista Edition

PREREQUISITE: None

TRANSFER: UA, UC*, UL, AU, AUC.
`* Consult Alberta Transfer Guide`

GRADING:

Lab Assignments	33%
Mid Term	25 %
Final Exam	42%

MISSED EXAMS: Students who miss the mid-term exam for a valid reason, such as illness, will have the weight transferred to the final exam.

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

Alpha Grade	Approximate Percentage Conversion
A+	95 – 100
A	90 – 94
A-	85 – 89
B+	80 – 84
B	75 – 79
B-	70 – 74
C+	66 – 69
C	62 – 65
C-	58 – 61
D+	54 – 57
D	50 – 53
F	0 – 49

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