GPRC

DEPARTMENT OF SCIENCE
COURSE OUTLINE – CS1010 FALL 2012
INTRODUCTION TO COMPUTING

INSTRUCTOR: Dr. George Ding   **PHONE:** 780-539-2031
OFFICE: C407   **E-MAIL:** gding@gprc.ab.ca

OFFICE HOURS: Tuesday 13:00-14:30 and Friday 10:00-11:30

PREREQUISITE: None

REQUIRED TEXT/RESOURCE MATERIALS:

Concepts:	An Invitation to Computer Science 6th ed.
	G. Michael Schneider and J.L. Gersting
	Thomson Course Technology ISBN 1-133-19082-0
Lab Manual:	An Invitation to Computer Science Lab Manual 5th ed.
	Kenneth Lambert and Thomas Whaley
	Thomson Course Technology ISBN 0-324-78863-0

CALENDAR DESCRIPTION:

This course provides an overview of computing science concepts for students with little or no programming background. Topics include representation of data; machine architecture; operating system concepts; properties of algorithms and computing problems; syntax of a high-level procedural programming language; basic data types and control structures. Students do introductory programming in this course.

CREDIT/CONTACT HOURS: 3 credits/90 contact hours

DELIVERY MODE(S):

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

Lecture:	**A2**	**J203**	**Mon**	**13:00 – 14:20**
			Fri	**11:30 – 12:50**
Lab:	**L1**	**A307**	**Wed**	**08:30 – 11:20**
	L2	**A307**	**Mon**	**14:30 – 17:20**

TRANSFERABILITY: UA, UC*, UL, AU, KUC*, AUC.

** 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.

GRADING CRITERIA:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	**4-point Equivalent**	**Percentage Guidelines**	**Designation**
A$^+$	4.0	90 – 100	**EXCELLENT**
A	4.0	85 – 89	
A$^-$	3.7	80 – 84	**FIRST CLASS STANDING**
B$^+$	3.3	77 – 79	
B	3.0	73 – 76	**GOOD**
B$^-$	2.7	70 – 72	
C$^+$	2.3	67 – 69	**SATISFACTORY**
C	2.0	63 – 66	
C$^-$	1.7	60 – 62	
D$^+$	1.3	55 – 59	**MINIMAL PASS**
D	1.0	50 – 54	
F	0.0	0 – 49	**FAIL**
WF	0.0	0	**FAIL, withdrawal after the deadline**

EVALUATIONS:

Lab Assignments	25%
Midterm Test I	20%
Midterm Test II	25%
Final Exam	30%

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. A doctor's note and a phone message or email will be required in both cases. Anybody who doesn't attend a lab automatically obtains a zero grade for the corresponding lab assignment.

STATEMENT ON PLAGIARISM AND CHEATING:

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

COURSE SCHEDULLE/TENTATIVE TIMELINE:

Week 1	Introduction and Chapter 1
Week 2	Chapters 1-2
Week 3	Chapter 2
Week 4	Chapters 2-3
Week 5	Chapter 3
Week 6	Midterm I and Chapter 4
Week 7	Chapters 4-5
Week 8	Chapter 5
Week 9	Chapter 6
Week 10	Midterm II and Chapter 9
Week 11	Chapter 9
Week 12	Chapter 9
Week 13	Chapters 10 and 7
Week 14	Chapter 11 and Review