DEPARTMENT OF SCIENCE

COURSE OUTLINE – WINTER 2012
MA 1130 B3
ELEMENTARY CALCULUS I

INSTRUCTOR:	Dr. Brian Redmond, Ph.D.	**PHONE:**	(780) 539-2093
OFFICE:	J206	**EMAIL:**	bredmond@gprc.ab.ca

OFFICE HOURS: M W F 10:00am – 11:00am

PREREQUISITE: Pure Mathematics 30

REQUIRED TEXT/RESOURCE MATERIALS:
Stewart: Single Variable Calculus, 7E, Brooks/Cole 2012.

CALENDAR DESCRIPTION:
The course will include a review of analytic geometry; functions, limits, continuity; differentiation of elementary functions; applications to maxima, minima and rates; introduction to integration; Fundamental Theorem; numerical integration; and areas and other applications of the definite integral to areas.

CREDIT/CONTACT HOURS: 3 (3-2-0) UT

DELIVERY MODE(S):

Lecture:	13:00-14:20	W F	J227
Seminar:	14:30-16:20	T	J227

TRANSFERABILITY:
UA, UC, UL, AU, GMU, other. Consult the Alberta Transfer Guide for more information.**
**Note: 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:

Assignments/Worksheets: 12.5% Quizzes: 12.5% Midterm: 25% Final Exam: 50%

STUDENT RESPONSIBILITIES:

Attend all lectures and seminars and check moodle regularly for course updates.

STATEMENT ON PLAGIARISM AND CHEATING:

Refer to the Student Conduct section of the College Admission Guide at http://www.gprc.ab.ca/programs/calendar/ or the College Policy on Student Misconduct: Plagiarism and Cheating at www.gprc.ab.ca/about/administration/policies/**

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

COURSE SCHEDULE/TENTATIVE TIMELINE:

Week	**Sections**	**Notes**
1. Jan. 2-6	Pre-Calculus Review	First class: Fri. Jan. 6
2. Jan. 9-13	Functions, Limits & Continuity §1.1-1.6,1.8	
3. Jan. 16-20		
4. Jan. 23-27		
5. Jan. 30-Feb.3	Differentiation §2.1-2.9	
6. Feb. 6-10		
7. Feb. 13-17		
8. Feb. 20-24	No classes	**Winter Break**
9. Feb. 27-Mar.2	Midterm	**Midterm – Wed. Feb. 29**
10. Mar. 5-9	Applications of Differentiation §3.1-3.5,3.7 §3.8 (optional)	Mar. 6 – Last day to withdraw
11. Mar. 12-16		
12. Mar. 19-23		
13. Mar. 26-30	Area and Integration §3.9,4.1-4.5,5.1	
14. Apr. 2-6		Friday, Apr. 6, Good Friday-College Closed
15. Apr.9-13		
Apr.16-26		Final Exams