DEPARTMENT OF SCIENCE

COURSE OUTLINE – FALL 2012
MA 1130 D2
ELEMENTARY CALCULUS I

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

OFFICE HOURS: M W   10:00– 11:30am

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	J202
Seminar:	14:30-16:20	W		J202

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: 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. Sept. 3-7	Pre-Calculus Review	First class: Thurs. Sept. 6
2. Sept. 10-14	Functions, Limits & Continuity	
3. Sept. 17-21	§1.1-1.6,1.8	
4. Sept. 24-28		**Quiz 1**
5. Oct. 1-5	Differentiation	
6. Oct. 8-12	§2.1-2.9	Oct. 8 – Thanksgiving (no classes)
7. Oct. 15-19		**Quiz 2**
8. Oct. 22-26		**Midterm: Fri. Oct. 26**
9. Oct. 29-Nov.2	Applications of Differentiation	Nov. 2 (last day to drop)
10. Nov. 5-9	§3.1-3.5,3.7	Nov. 9 Fall Break (no classes)
11. Nov. 12-16	§3.8 (optional)	Nov. 12,13 Fall Break (no classes) **Quiz 3**
12. Nov. 19-23	Area and Integration	
13. Nov. 26-30	§3.9,4.1-4.5,5.1	
14. Dec. 3-7		Dec. 7 (Science Open House) **Quiz 4**
15. Dec. 10-14		Dec. 11 – last day of classes
Dec. 13-22		Final Exams