DEPARTMENT OF SCIENCE

COURSE OUTLINE
MA 1130 B3 – ELEMENTARY CALCULUS I
WINTER 2013

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

OFFICE HOURS: M W F 10:00AM– 11:00AM

PREREQUISITE: Mathematics 30-1 or Pure Mathematics 30 or equivalent

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	R	J107

TRANSFERABILITY: See www.gprc.ab.ca and www.acat.gov.ab.ca **

**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

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.

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

EVALUATIONS: Assignments: 12.5% Quizzes: 12.5% Midterm: 25% Final Exam: 50%

GRADING CRITERIA

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	**4-point Equivalent**	**Percentage Guidelines**	**Designation**
A+	**4.0**	**95 – 100**	**EXCELLENT**
A	**4.0**	**90 – 94**	
A–	**3.7**	**85 – 89**	**FIRST CLASS STANDING**
B+	**3.3**	**80 – 84**	
B	**3.0**	**75 – 79**	**GOOD**
B–	**2.7**	**70 – 74**	
C+	**2.3**	**66 – 69**	**SATISFACTORY**
C	**2.0**	**63 – 65**	
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**

COURSE SCHEDULE/TENTATIVE TIMELINE:

Week	**Sections**	**Notes**
1. Jan. 8-11	Pre-Calculus Review	Classes begin: Tuesday, Jan. 8
2. Jan. 14-18	Functions, Limits & Continuity	Quiz 1
3. Jan. 21-25	§1.1-1.6,1.8	
4. Jan. 28-Feb.1		Quiz 2
5. Feb. 4-8	Differentiation	
6. Feb. 11-15	§2.1-2.9	Quiz 3
7. Feb. 18-22		**WINTER BREAK**
8. Feb. 25-Mar.1		Fri. Mar. 1: Midterm
9. Mar. 4-8	Applications of Differentiation	
10. Mar. 11-15	§3.1-3.5,3.7	Mar.11 (deadline to withdraw)
11. Mar. 18-22	§3.8 (optional)	Quiz 4
12. Mar. 25-29	Area and Integration	**Friday, Mar. 29 – no classes**
13. Apr. 1-5	§3.9,4.1-4.5,5.1	
14. Apr. 8-12		Quiz 5
15. Apr. 15-17		Wed., Apr. 17: last day of classes
Apr. 18-29		Final Exams