DEPARTMENT OF SCIENCE

COURSE OUTLINE
MA 1130 A2 – ELEMENTARY CALCULUS I
FALL 2013

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

OFFICE HOURS: M: 1:00-2:00pm
` W F: 10:00-11:00am

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	J226
Seminar:	14:30-16:20	T	R	J202

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: If an assignment, quiz or exam is missed for a *valid* reason, the weight will be transferred to another component of the course; there will be no rewrites or late assignments accepted. Students are responsible for all lecture material, seminars and readings. Please check Moodle regularly for course information and announcements.

EVALUATIONS: Assignments: 10% Quizzes: 15% 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**	**62 – 65**	
C^-	**1.7**	**58 – 61**	
D^+	**1.3**	**55 – 57**	**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. Sept. 2-6	Pre-Calculus Review	Classes begin: Thursday, Sept. 5
2. Sept. 9-13	Functions, Limits & Continuity	
3. Sept. 16-20	§1.1-1.6,1.8	
4. Sept. 23-27		
5. Sept. 30-Oct. 4	Differentiation	
6. Oct. 7-11	§2.1-2.9	
7. Oct. 14-18		Monday, Oct. 14 – thanksgiving break
8. Oct. 21-25		**Fri. Oct. 25 - Midterm**
9. Oct. 28-Nov. 1	Applications of Differentiation	Oct. 30 – last day to withdraw
10. Nov. 4-8	§3.1-3.5,3.7	Fall break – Friday, Nov. 8
11. Nov. 11-15	§3.8 (optional)	Fall break – Monday, Nov. 11
12. Nov. 18-22	Area and Integration	
13. Nov. 25-29	§3.9,4.1-4.5,5.1	
14. Dec. 2-6		
15. Dec. 9-10		Tuesday, Dec. 10 – last day of classes
Dec. 12-21		Final Exams