DEPARTMENT OF SCIENCE

COURSE OUTLINE
MA 1130 A2 – ELEMENTARY CALCULUS I
FALL 2014

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

OFFICE HOURS: M: 1:00-2:30pm

W: 10:00-11:30am

PREREQUISITE: Mathematics 30-1 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. 1-5	Pre-Calculus Review	Classes begin: Thursday, Sept. 4
2. Sept. 8-12	Functions, Limits & Continuity	
3. Sept. 15-19	§1.1-1.6,1.8	
4. Sept. 22-26		
5. Sept. 29-Oct. 3	Differentiation	
6. Oct. 6-10	§2.1-2.9,6.2-6.4	
7. Oct. 13-17		Monday, Oct. 13 – Thanksgiving Day
8. Oct. 20-24		**Fri. Oct. 24 - Midterm**
9. Oct. 27-31	Applications of Differentiation	Oct. 29 – last day to withdraw
10. Nov. 3-7	§3.1-3.5,3.7	Fall break – Monday, Nov. 10
11. Nov. 10-14	§3.8 (optional)	Remembrance Day – Tuesday, Nov. 11
12. Nov. 17-21	Area and Integration	
13. Nov. 24-28	§3.9,4.1-4.5,5.1	
14. Dec. 1-5		
15. Dec. 8		Monday, Dec. 8 – last day of classes
Dec. 10-19		Final Exams