

## **DEPARTMENT OF SCIENCE**

## COURSE OUTLINE MA 1130 D2 – ELEMENTARY CALCULUS I FALL 2014

**INSTRUCTOR:** Thomas Kaip **PHONE**: (780) 539-2963

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**OFFICE HOURS:** TR 1-2:20

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

**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 M J202

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

**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.

<sup>\*\*</sup>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 <a href="http://www.gprc.ab.ca/programs/calendar/">http://www.gprc.ab.ca/programs/calendar/</a> or the College Policy on Student Misconduct: Plagiarism and Cheating at <a href="https://www.gprc.ab.ca/about/administration/policies/">https://www.gprc.ab.ca/about/administration/policies/</a>

<sup>\*\*</sup>Note: all Academic and Administrative policies are available on the same page.

**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		
$\textbf{A}^{^{+}}$	4.0	95 – 100	EXCELLENT		
Α	4.0	90 – 94			
<b>A</b> <sup>-</sup>	3.7	85 – 89	FIRST CLASS STANDING		
B <sup>+</sup>	3.3	80 – 84			
В	3.0	75 – 79	GOOD		
B <sup>-</sup>	2.7	70 – 74			
C <sup>+</sup>	2.3	66 – 69	SATISFACTORY		
С	2.0	62 – 65			
<b>C</b> -	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: Friday, Sept. 5
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	
7. Oct. 13-17		Monday, Oct. 14 – thanksgiving break
8. Oct. 20-24		Fri. Oct. 24 - Midterm
9. Oct. 27-Oct. 31	Applications of Differentiation	
10. Nov. 3-7	§3.1-3.5,3.7	
11. Nov. 10-14	§3.8 (optional)	
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. 8-12		Monday, Dec. 8 – last day of classes
Dec. 10-19		Final Exams