

**GRANDE PRAIRIE REGIONAL COLLEGE  
DEPARTMENT OF SCIENCE**

**COURSE: MA1130 Elementary Calculus Winter 2011**

**Instructor:** Dallas Sawtell  
**Office:** C204

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**Prerequisite:** Pure Math 30

**Textbooks:** Calculus Single Variable by James Stewart

**Description:** Chapter 2 Limits and Continuity  
Chapter 3 Derivatives, Implicit Differentiation, Related Rates,  
Linear Approximation and Differentials  
Chapter 4 Increase/Decrease, and Concavity, Maxima and Minima,  
Curve Sketching, Max/Min Problems, Rolle's and Mean-  
Value Theorem, and Rectilinear Motion  
Chapter 5 Areas, Definite and Indefinite Integrals, Substitution,  
The Fundamental Theorem of Calculus,  
Chapter 6 Area Between Curves

**Credit/Contact Hours:** (3,2,0) 3 credits

**Delivery Mode:** Lecture B3 W F 1:00-2:30 J202  
Seminar BS1 T 2:30-4:30 J228

A worksheet will be given out in the seminar that must be handed in by the end of the seminar for marking.

**Transfer:** See GPRC Calendar and [ww.acat.gov.ab.ca](http://ww.acat.gov.ab.ca)  
**\*\* Grade of D or D+ may not be acceptable for transfer to other post secondary institutions and will not meet the prerequisite requirements for other math courses.** Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability.

**Grading:** Worksheets 10%  
Quizzes 15%  
Midterm 25%  
Final Exam 50%

|                        |    |     |         |              |
|------------------------|----|-----|---------|--------------|
| <b>Grading Scheme:</b> | A+ | 4.0 | 95-100% | Excellent    |
|                        | A  | 4.0 | 90-94%  |              |
|                        | A- | 3.7 | 85-89%  |              |
|                        | B+ | 3.3 | 80-84%  | Good         |
|                        | B  | 3.0 | 75-79%  |              |
|                        | 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         |

**Examinations:**

**Quizzes:** Quizzes will be held every Wednesday starting on Jan 19. Quizzes can not be made up if missed.

**Midterm:** If the midterm is missed with a good reason, the weight will be put on the final (ie. the final will be worth 75%). A doctors note will be required. The midterm will be during class on Wednesday, Feb 16.

**Final:** Finals are held from April 14 to April 27 inclusive (includes **ALL** Saturdays and evenings **including Easter**). Writing finals early is not permitted. A doctor's note is required if you have to miss a final.

**Calculators:** Calculators are **not** permitted on the quizzes or exams.

**Plagiarism and Cheating:** See Calendar regarding penalties.