

GRANDE PRAIRIE REGIONAL COLLEGE
MATH 1130
WINTER 2009

Title: Elementary Calculus I (3-2-0) 3 credits

Transfer: UA*, UC*, UL*, AU*, CU, CUC, KUC (from GPRC Calendar)
* means important transfer information. Consult the Alberta Transfer Guide. www.acat.gov.ab.ca

Prerequisite: Pure Math 30

Schedule:	Lecture B3	W	F	1:00-2:30	J202
	Seminar BS1	T		2:30-4:30	J226
	Seminar BS2		R	2:30-4:30	J201

Instructor: Dallas Sawtell
Office C204
Phone 539-2989
e-mail dsawtell@gprc.ab.ca

Textbooks: Anton, Bivens, Davis Calculus Single Variable
Student Solution Manual (optional)

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

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

Quizzes: Quizzes will be held every Friday starting on Jan 16. 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 Wed, March 4.

Final: Finals are held April 16 to 27 inclusive (includes Saturdays and evenings). Writing finals early is not permitted.

Calculators: Use of calculators is **not** permitted on the quizzes or exams.

Content:

Section 1.1, 1.3, 1.4, appendix B	Review
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

Grading Scheme:

A+	4.0	
A	4.0	Excellent
A-	3.7	
B+	3.3	
B	3.0	Good
B-	2.7	
C+	2.3	
C	2.0	Satisfactory
C-	1.7	
D	1.0	Minimal Pass
F	0.0	Fail

Note: a grade of D will NOT meet the prerequisite requirements for other math courses and may not be accepted by other universities.

Plagiarism: See Calendar