

**GRANDE PRAIRIE REGIONAL COLLEGE**  
**MATH 1130**  
**FALL 2006**

**Title:** Elementary Calculus I (3-1-0) 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](http://www.acat.gov.ab.ca)

**Prerequisite:** Pure Math 30

<b>Schedule:</b>	Lecture D2	W	F	1:00-2:30	J228
	Seminar DS1	T		2:30-4:30	J228
	Seminar DS2		Th	2:30-4:30	J228
	Office Hours	M		11:30-12:30	F 10:15-11:15

**Instructor:** Dallas Sawtell  
Office C204  
Phone 539-2989  
e-mail [dsawtell@gprc.ab.ca](mailto:dsawtell@gprc.ab.ca)

**Textbooks:** Anton, Bivens, Davis Calculus Single Variable 8<sup>th</sup> Edition  
Student Solution Manual (optional)

<b>Grading:</b>	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. 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. he midterm will be during class on Wed, Oct 25.

**Final:** Finals are held Dec 11 to 20 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

<b>Grading Scheme:</b>	A+	4.0	Excellent
	A	4.0	
	A-	3.7	
	B+	3.3	Good
	B	3.0	
	B-	2.7	
	C+	2.3	Satisfactory
	C	2.0	
	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