

**GRANDE PRAIRIE REGIONAL COLLEGE  
DEPARTMENT OF SCIENCE AND TECHNOLOGY  
MATHEMATICS 1140 A2  
FALL SEMESTER 2002**

SEP. 10 2002

**TITLE:** ELEMENTARY CALCULUS I

**PREREQUISITE:** Math 30 and Math 31

**SCHEDULE:**

Lectures	W F	13:00 – 14:20	J229
Seminars	T	14:30 – 15:50	J229
	R	14:30 – 15:50	J229

**INSTRUCTOR:** Thomas Kaip  
Office J212  
Extension 2963  
Email [kaip@gprc.ab.ca](mailto:kaip@gprc.ab.ca)

**OFFICE HOURS:** T.B.A.

**TEXTBOOK:** James Stewart ; SINGLE VARIABLE CALCULUS 4<sup>th</sup> Ed.

**COMPOSITION OF THE COURSE GRADE:**

Final Exam	50%	T.B.A.
Midterm Exam	25%	Wednesday, October 23 2002
Quizzes (4)	15%	T.B.A.
Assignments	10%	

**COURSE TOPICS:** Review of analytic Geometry and Functions  
Limits and the Definition of the Limit  
Continuity and the Intermediate Value Theorem  
Differentiation of Elementary Functions  
Rolles Theorem and the Mean Value Theorem  
Differentials and Applications  
Applications to Rates, Maxima and Minima  
Introduction to Integration  
Fundamental Theorems  
Numerical Integration and Area

**CALCULATORS:** No calculators allowed in Quizzes and Exams