

**MATH 151 — Engineering Mathematics I – Sections 504-506**  
*Spring 2008*

**Times/Rooms:** MWF 1:50-2:40 / HELD 111

**Instructor:** Dr. R. A. Gustafson

**Office and Phone:** Milner 208 (979) 845-3950

**Office Hours:** MWF noon – 1 pm and by appointment.

**Email & URL:** [rgustaf@math.tamu.edu](mailto:rgustaf@math.tamu.edu) [www.math.tamu.edu/~robert.gustafson](http://www.math.tamu.edu/~robert.gustafson)

**Course Home Page:** <http://calclab.math.tamu.edu/docs/math151>

**Text:** *Calculus: Early Vectors*, by Stewart et al, published by Brooks/Cole.  
The computer laboratory will also use *Calclabs with Maple*, also published by Brooks/Cole.

**Course Content:** This course will cover vectors in two dimensions, differentiation and integration of functions of one variable, and applications such as work, velocity/acceleration, optimization (max/min), and curve sketching. The course meets three times per week in lecture and twice per week in recitation. One of your recitation meetings is designed to discuss questions over homework or lecture. The other recitation meets in the computer laboratory where the computer package *Maple* will be introduced. The goal of the laboratory portion of the course is to show how problems that are too difficult to solve hand, can be solved with the help of the computer. The *prerequisite* for this course is either Math 150 (precalculus) or a good high school mathematics background that includes algebra II, analytic geometry and trigonometry.

**E-homework:** The ThomsonNOW Homework System will be used for homework. Directions can be found on the website <http://www.math.tamu.edu/~epstein/eHW/>. The E-homework grade will be counted as part of your overall lab grade.

**Grading:** Your grade will be determined by three exams, a cumulative final exam, and a laboratory grade. The weights of each of these are as follows.

Exam I	Exam II	Exam III	Final	Lab
15%	15%	20%	25%	25%
Feb. 14	March 20	April 22	3:30, May 6	

Exams I, II and III are common exams (same exam is given for all sections of Math 151) and are administered in the evenings from 7:30-9:30pm on the dates given above. Copies of old exams are available on the web. The increased weights of the third and final exams reflect the cumulative nature of the course. The laboratory grade will be determined by unannounced pop quizzes, E-homework and Maple assignments.

**Makeups:** Make-ups for exams and quizzes will only be given with documented University-approved excuses (see University Regulations).

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**Special Services:** Students with disabilities can get assistance from the Office of Services for Students with Disabilities (845-1637).