

Engineering Mathematics I

Section Web page: <http://calclab.math.tamu.edu/~fulling/o151/>

(The old pages m151/ and w151/ are irrelevant.)

There you will find links to our pages on the Vista and Cengage systems.

Course Web page: <http://calclab.math.tamu.edu/docs/math151/>

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Whenever I am not in my office, you can leave a note in my mailbox (in Blocker 603) or in the plastic pouch beside my office door.

Office hours will be announced later. You are welcome to come in person to my office just like any other student.

Address for paper mail, and FAX number: (both best avoided)

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Course description (generic): Credit 4. 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. **Prerequisites** are Math. 150 (precalculus) or comparable high-school mathematics including algebra II, analytic geometry, and trigonometry.

Course description (on-line section): You will use the same textbook and **take the same common exams** (in a classroom) as other M. 151 sections. There will be no regularly scheduled lectures (virtual or otherwise), but lecture-like presentations will be posted on the Web for you to read at times of your convenience. **That does not mean that you can wait until exam weeks to do any work. It is essential to keep up with the weekly syllabus.** There will be on-line recitation sessions via the Blackboard Vista “chat and whiteboard” facility (at times to be arranged later). Also, the Vista “discussion board” facility can be used for questions and feedback at any time. Unlike the other sections, there is no required and graded computer lab (*Maple* or *Matlab*). However, it is strongly recommended that you acquire access to *Maple* (one cheap way is described below), use it on your own to explore the mathematics of this course, and use it to create neat, e-mailable homework papers! *Maple* usage will be covered in some of the early “lectures”.

Textbook: James Stewart and TAMU faculty, *Calculus: Early Vectors*, Thomson Brooks/Cole, 1999, ISBN 0-534-49348-3.

When you buy Stewart, for a small extra fee you can get a temporary license for *Maple*. For a permanent license, see <http://calclab.math.tamu.edu/maple/adoption/> .

Recommended supplement: Philip Yasskin et al., *Calclabs with Maple for Stewart's Single Variable Calculus: Concepts and Contexts, Third Edition*, Thomson Brooks/Cole, 2005, ISBN 0-534-41026-X.

Grading system: Exam I:	Thurs. 2/14 7:30–9:30 p.m.	15%
Exam II:	Thurs. 3/20 7:30–9:30 p.m.	15%
Exam III:	TUES. 4/22 7:30–9:30 p.m.	20%
Final Exam:	(time & place undecided)	25%
Other:		25%

The “other” component includes automated homework (Cengage, previously known as Iln), written homework, and participation in our on-line recitations and discussions. The precise weighting of these subcomponents will be influenced by events.

An Aggie does not lie, cheat, or steal or tolerate those who do. See Honor Council Rules and Procedures, <http://www.tamu.edu/aggiehonor> .

Plagiarism: Finding information in books or on the Internet is praiseworthy; *lying* (even by silence) about where it came from is academic dishonesty. Whenever you copy from, or “find the answer” in, some other source, *give a footnote or reference*. Otherwise, you are certifying that it is your own work.

Joint work: On a homework assignment (*not* a take-home test!) discussion with other students is permitted, even encouraged. However, the grader will not give homework credit for “work” that is parasitical (and your test scores will suffer, too!). To forestall problems, please follow these policies: (1) When two or more students work together on an assignment, they should all indicate so on their papers. (2) If the cooperation is of the divide-and-conquer variety, you are certifying that you *have studied and understand* every problem solution on your paper. Mindless copying is dishonest and academically worthless.

Copyright: Course materials (on paper or the Web) should be assumed to be copyrighted by the instructor who wrote them or by the University.

Disabilities: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities, in Room 126 of the Koldus Building or call 845–1637.

Please consult the Web page and the discussion board frequently for more detailed instructions.