

Engineering Mathematics I

Section Web page: <http://calclab.math.tamu.edu/~fulling/m151/>

Course Web page: <http://www.math.tamu.edu/courses/math151/?semester=2011C>

WebAssign (on-line homework): <http://www.math.tamu.edu/courses/eHomework/>

Maplets: <http://m4c.math.tamu.edu/>

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<http://www.math.tamu.edu/~fulling/>

If I am not in my office, you can leave a note in my mailbox (in the room opposite the math department office, 6th floor of Blocker) or in the plastic pouch beside my office door.

Office hours (subject to change) are posted on my home page.

Lecture classes: MWF 11:30–12:20, HELD 113

Teaching Assistant: Roman Kogan

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<http://www.math.tamu.edu/~romwell>

Lab and recitation classes:

<i>Section</i>	<i>Time</i>	<i>Tuesday room</i>	<i>Thursday room</i>
513	8:00–8:50	BLOC 124	BLOC 113
514	9:35–10:25	BLOC 122	BLOC 122
515	12:45–1:35	BLOC 123	CE 006

Computer labs for these sections will involve sometimes Maplets and sometimes Matlab.

Course description: 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.

Textbooks:

1. James Stewart and TAMU faculty, *Calculus: Early Vectors*, Thomson Brooks/Cole, 1999, looseleaf (ISBN 113344427x) or e-book (included in WebAssign).
2. Amos Gilat, *Matlab: An Introduction with Applications*, 4th ed., Wiley, ISBN 978-0470767856.

Grading system:

Exam I:	Tues. 9/27 7:30–9:30 p.m.	16 $\frac{2}{3}$ %
Exam II:	Thurs. 10/27 7:30–9:30 p.m.	16 $\frac{3}{3}$ %
Exam III:	Tues. 11/29 7:30–9:30 p.m.	16 $\frac{2}{3}$ %
Final Exam:	Mon. 12/12 10:30 a.m.–12:30	25 %
On-line Homework (WebAssign)		8 $\frac{1}{3}$ %
Lab Exercises		8 $\frac{1}{3}$ %
TA's Quizzes		8 $\frac{1}{3}$ %

Rooms for common exams will be announced later. The final exam will be in the lecture room (HELD 113).

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Joint work: On a homework assignment (*not* a take-home test!) discussion with other students is permitted, even encouraged. However, graders 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.

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