

## Engineering Mathematics II

**Course description:** Math. 152 is the second semester of the calculus sequence for engineering majors.

*Prerequisites:* Math. 151 or equivalent.

*Topics:* Techniques and applications of integration, introduction to differential equations, sequences and series, 3-dimensional vectors.

**Lectures:** MWF 10:20–11:10, Heldenfels 111

**Recitation Sections and Computer Labs:**

Sec. 501:	3:55–4:45	T: BLOC 163	R: BLOC 125
Sec. 502:	5:30–6:20	T: CE 136	R: BLOC 125
Sec. 503:	2:20–3:10	T: ZACH 119C	R: BLOC 130

**Textbook:** *Calculus: Early Vectors* by Stewart with Belmonte et al. (1999).

**Maple manual:** *Calclabs with Maple for Stewart's Single Variable Calculus* by Barrow et al. (2001).

**Instructor:** S. A. Fulling

620H Blocker Bldg.

845-2237

[fulling@math.tamu.edu](mailto:fulling@math.tamu.edu)

<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.

Temporary office hours: M 2:00–2:50, W 9:10–10:00, R 3:00–3:45

Permanent office hours will be announced later.

### Web pages:

General information (primarily for instructors, but open to students) for all sections of Math. 152 is at

<http://calclab.math.tamu.edu/docs/math152/>.

This includes old exams! I may put some material specific to this class at

<http://calclab.math.tamu.edu/~fulling/m152/f02/>.

### Extra Help:

1. If you are not familiar with Maple or Unix, you can get advice in the Calclab Open Hours in the evenings. (Also, choose a lab partner who is more experienced than you are.)
2. Schedules for helprooms and Week in Review will be announced soon. Printed schedules for helprooms, and a list of approved private tutors, will be available outside the Blocker math department office.
3. Students with disabilities can get assistance from the Office of Services for Students with Disabilities (845-1637).

<b>Grading system:</b>	Test 1:	150	Thursday, Oct. 3
	Test 2:	150	Tuesday, Oct. 29
	Test 3:	200	Tuesday, Dec. 3
	Final exam:	250	Tuesday, Dec. 17
	Class work:	<u>250</u>	
	Total	1000	

The “curve” will be at least as generous as the “standard” scale [i.e., 90% (= 900 pts) will guarantee an **A**, etc.].

“Class work” means (1) lab reports and (2) homework and/or quizzes. The details will be decided by consultation among the lecturer, teaching assistant, and grader (if any), and announced as soon as possible. Probably it will not be possible to grade every assignment in depth.

The hour tests are departmental common exams **in the evening**, 7:30–9:30 p.m., place to be announced later. The final exam is **not** a common exam; it takes place in our lecture classroom, HELD 111 (**not** the common exam room) at the exam time period (Tues. 8:00–10:00) assigned to our lecture class.

**Calculators:** Rules for use of calculators in exams will be decided by all the instructors teaching the course and announced promptly. Recent tradition is that calculators are totally prohibited in Math. 152.

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**Plagiarism:** Plagiarism and copyright are separate issues. The fact that **any** material written by someone else appears to be “in the public domain” is **never** a defense against a charge of cheating. Passing off another person’s ideas or words as one’s own, even with that person’s permission, is plagiarism and is one of the worst academic sins. See the Student Rules under the section “Scholastic Dishonesty”.