

Welcome to
MATH 151 – ENGINEERING MATHEMATICS I
Sections 504 – 506, MWF 11:30 – 12:20 pm, HELD 109

About your instructor:

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Office Hours (in Milner 308):

Tuesday: 9:30 – 11:30 am, Thursday: 9:30 – 11:30 am, and by appointment.

Weekly Recitations and Computer Labs (conducted by Jeffrey Bouas):

- Section 504: T 12:45 – 1:35 pm (ZACH 105C), R 12:45 – 1:35 pm (BLOC 122)
- Section 505: T 2:20 – 3:10 pm (CE 222), R 2:20 – 3:10 pm (BLOC 126)
- Section 506: T 3:55 – 4:45 pm (MILS 316), R 3:55 – 4:45 pm (BLOC 126)

Textbook (Required Purchase):

- *Calculus: Early Vectors*, by Stewart et al; published by Brooks/Cole, with ISBN 0-534-49348-3 on the back.

The computer laboratory will also use

- *MATLAB: An Introduction with Applications*, third edition, by Amos Gilat, published by Wiley. You will also benefit from the assistance of our MATLAB help session staff, all of whom are long-time veterans.

Web Page for Math 151:

- <http://calclab.math.tamu.edu/docs/math151/>

Help Session and Weekly Review Session Schedule:

- Help Session: <http://www.math.tamu.edu/teaching/wordpress/stuinfo/?p=26>
- Week in Review is conducted by Jennifer Lewis on Sundays, 7:00 – 9:00 pm in BLOC 102, except for Exam Reviews. Exam Reviews will be on the days before the exams, 7:00 – 9:00 pm. More on
- <http://www.math.tamu.edu/~jlewis/WeekinRev151.html>

Course Description:

- Credit 4. 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 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 MATLAB will be introduced. The goal of the laboratory portion of the course is to show how problems that are too difficult to solve by 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.

Concerning Tests:

Exam I: Thursday, February 19, 2009; 7:30 – 9:30 pm

Exam II: Thursday, March 26, 2009; 7:30 – 9:30 pm

Exam III: Tuesday, April 28, 2009; 7:30 – 9:30 pm

Final Exam: Wednesday, May 13, 2009; 10:30 am – 12:30 pm

- Exams I, II, and III will be common to *all* 151 students. Rooms will be announced later on the web page for Math 151. The final examination (*not* a common exam) will be given in this class-room (HELD 109).

Sample Exams:

- Common exams given in earlier semesters are available on the web page for Math 151. These may give you a hint about the level of difficulty of the common exams you can expect this semester.

Grading Scheme:

- Exams I and II will be worth 15% of the course grade, while Exam III counts for 20%. The final will account for 25%. Lab grades will make up the remaining 25%. Attendance in lecture may be recorded several times throughout the semester and may play a role in deciding border-line grades. The final will be a “no calculator exam” containing problems very similar to those your instructor has worked out in his lectures. The increased weights of the third and final exams reflect the cumulative nature of the course. The laboratory grade will be determined by quizzes/homework (40%), computer assignments (40%), and on-line homework (20%).
- The standard grade scale is the following: $\geq 90 \rightarrow A$, $\geq 80 < 90 \rightarrow B$, $\geq 70 < 80 \rightarrow C$, $\geq 60 < 70 \rightarrow D$, $< 60 \rightarrow F$.

Homework:

- A weekly course schedule, a suggested computer lab schedule for MATLAB, and a list of suggested homework problems may be found at the web page for Math 151.
- The instructor will do his best to keep the weekly schedule in his lectures. Every week students are supposed to write the solutions down to the homework problems related to the topics covered by the instructor in his lectures that week. It will help you prepare for the examinations and will reflect your understanding of the material. Your solutions to the homework problems will not be collected and graded by your lab instructor, but the quiz questions must be quite similar to some of the questions on the list of suggested homework problems.
- Online homework is required in all math 151 classes. These online homework assignments can be accessed anytime of day or night, from any computer with a connection to the internet and a Web browser. All information regarding online homework can be found at
- <http://www.math.tamu.edu/ehmwk>

Make-ups:

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

Scholastic dishonesty will not be tolerated:

- Any instance of scholastic dishonesty will be handled as consistent with University Regulations.

Copyright Statement:

- Please, note that all written and web materials for this course are protected by copyright laws. You can xerox (or download) one copy for your own use, but multiple copies are forbidden unless written permission is obtained by your instructor.

Americans with Disabilities Act (ADA) Policy Statement:

- 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.

Academic Integrity Statement:

- <http://www.tamu.edu/aggiehonor>