

Engineering Mathematics I**Instructor:** Prabir Daripa**Office:** Blocker 629D**Phone Number:** 845-1204**Class Room:** HELD 107**Time:** TTR 2:20 pm - 3:35 pm**Office Hour:** TTR 10:00 am - 12:00 Noon and/or by appointment**Email:** daripa@math.tamu.edu**URL for this Handout:** <http://www.math.tamu.edu/~daripa/courses/math151-fdh.pdf>

However, you may want to bookmark the following URL through which you will get links to all essential URLs mentioned in this handout including this handout and its updated versions, if any, during this semester.

<http://www.math.tamu.edu/~daripa/courses/math151.html>

Teaching Assistant: Patrick Beben

The TA (i.e, Teaching Assistant) will conduct the quizzes and take your questions, give quizzes on Mondays and conduct computer labs on Wednesdays as per following schedule which is also posted on the Teaching Operations page:

http://www.math.tamu.edu/teaching/course_offerings/currentcourse.html.

Quiz times are listed first (Mondays) or, and lab times are second (Wednesday). Please note that schedule is based on the course section you belong to.

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| 801 | M 10 : 20 – 11 : 10 | CE 222 | W 10 : 20 – 11 : 10 | BLOC 126 |
| 802 | M 1 : 50 – 2 : 40 | CHEN 108 | W 1 : 50 – 2 : 40 | BLOC 126 |
| 803 | M 3 : 00 – 3 : 50 | CHEN 108 | W 3 : 00 – 3 : 50 | BLOC 122 |

First Day of Class: T 20th Jan**Last Day of Class:** T 5th May**Spring Break:** 16th March - 20th March**Textbooks:**

1. *Calculus: Early Vectors, preliminary edition (hard back)*, by Stewart et al, published by Brooks/Cole

Buy this textbook brand new with WEBASSIGN access code or buy a used textbook and buy the online homework access code at <http://www.webassign.net>. The access code will cost \$35.

2. The computer laboratory will use the MATLAB Manual *MATLAB: An Introduction with Applications, 3rd Edition, copyright 2008 by Amos Gilat*. Its ISBNs are ISBN-10: 0470108770 and ISBN-13: 978-0470108772. You may obtain it in bookstores around town.

Content: This course will cover vectors in two dimensions, differentiation and integration of functions of one variable, and applications. The course meets two times per week in lecture (TR) and twice per week in recitation (MW). One of your recitation meetings is designed to discuss questions over homework or lecture and weekly quizzes will be administered here. The other recitation meets in the computer laboratory where the computer package MATLAB will be introduced. These quizzes will not be announced in advance, thus it is important you keep up with all assignments and pay attention in lecture.

There will also be on-line homeworks that 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>. MATLAB assignments + quizzes + on-line homeworks, all three together counts 25% of the total grade.

Syllabus: For tentative weekly schedule, see the appropriate link by going to <http://calclab.math.tamu.edu/docs/math151>. There are lots of information at this link on lab, past exams, etc. which you should read.

Common Exams: Engineering Calculus I and II here at A&M use Common Exams in order to establish consistency among sections. These common exams are administered in the evening (see the schedule below). Use of Calculators will not be allowed in the common exams. If you have a class conflict with these exam times, you must provide documentation and arrangements will be made for you. Common exam room assignments will not be made until the second or third week of spring classes. It'll be available on the web when ready. I will also announce it in the class and this handout (which is available on-line) will also be updated to include this information.

Grades: Your grade will be determined by 3 exams, a comprehensive final, and the lab (MAT-LAB +Quizzes+Online Homework) grade as follows:

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|---|-----|------------------------------|
| Exam I: | 15% | Th Feb19, 7 : 30 – 9 : 30pm |
| Exam II: | 15% | Th Mar26, 7 : 30 – 9 : 30pm |
| Exam III: | 20% | T April28, 7 : 30 – 9 : 30pm |
| Final Exam: | 25% | W May13, 1 : 00 – 3 : 00pm |
| LAB(MATLAB +Quizzes+On-line homeworks): | 25% | |

Your letter grade for the semester will be A, B, C, or D, for averages of minimum 90%, 80%, 70%, or 60%, respectively.

Make-up policy: No make-ups will be given without written evidence of an official University excused absence. (See University Student Rules.) According to Section 7.3 of the University Student Rules, for an absence to be considered excused, the student must notify his or her instructor in writing (acknowledged e-mail message is acceptable) prior to the date of absence if such notification is feasible. In cases where advance notification is not feasible, the student must provide notification by the end of the second working day after the absence. This notification should include an explanation of why notice could not be sent prior to the class. If no such notice is given, the rights to a make-up are forfeited. In addition (and also in accordance with University Student Rules), a written excuse must be presented upon return to class. Specifically, in the case of illness or injury, students are required to obtain a confirmation note from a health care professional affirming date and time of a medical office visit regarding the illness or injury and confirming the need of absence before a make-up will be given.

Academic Integrity Statement: An Aggie does not lie, cheat, or steal or tolerate those who do. I further refer the student to the Honor Council Rules and Procedures on the web at <http://www.tamu.edu/aggiehonor>. Students with 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.

Sources of help: Use it!

1. **NeoEmail:** You should check your NeoEmail on a regular basis as I will be sending emails to you all, if necessary, to your Neoaccount during the semester.

2. **Week in Review:** Each week, David Manuel or/and Jennifer Lewis will conduct a Week-In-Review (WIR for short) every Sunday (excluding the week of spring break) from 7.00 pm - 9.00 pm BLOC 102. Problems and answers covered that night will be posted at a link which you can find in the URL <http://calclab.math.tamu.edu/docs/math151>
Students are highly encouraged to take full advantage of this extra help. Note that success on common exams requires LOTS of practice. This is one resource for you to obtain extra practice in order to master the material.
3. **WIR and Help Sessions:** Week-In-Review (WIR) and help session schedules will be posted on <http://www.math.tamu.edu/teaching/helpsession/> for more information.
4. **Hire a private tutor:** For a list of tutors, go to BLOC 601 and inquire within.
5. **MATLAB Help Sessions:** You will benefit from the assistance of MATLAB help session staff, all of whom are long-time veterans. Said sessions commence on the evening of the first day of classes, Tuesday, 20/Jan, in Blocker 128. The times are Monday-Thursday, 7:00-10:00 pm and Sunday, 1:00-10:00 pm.
6. **Weekly MATLAB assignments and streaming Video:** Weekly MATLAB assignments will be posted at the URL http://calclab.math.tamu.edu/~dmanuel/calclab/m151/2009a_assn_matlab.html
You will also find videos that will be completed in the next few weeks. There is also a link to previous assignments and videos from Mr. Art Belmonte who served previously as calclab coordinator.