MATH 152 Engineering Mathematics II Fall 2008 Sections 522-524

Instructor: Mariya Vorobets Office: Milner 004 Office hours: Monday, Wednesday 10:30-12:00 or by appointment. e-mail: mvorobet@math.tamu.edu Home-page: http://www.math.tamu.edu/~mvorobet/Math152/ Telephone: (979)845-0849

CLASS HOURS: TR 8:00 – 9:15 AM HELD 107

SECTIONS

522	Μ	1:50 - 2:40	CE 136	W	1:50 - 2:40	BLOC 126
523	Μ	8:00 - 8:50	BLOC 164	W	8:00 - 8:50	BLOC 127
524	Μ	3:00 - 3:50	BLOC 160	W	3:00 - 3:50	BLOC 130

TEACHING ASSISTANT: Jeffrey Pattillo; e-mail: jptlo@math.tamu.edu

COURSE DESCRIPTION. Credit 4. The course will cover techniques of integration and applications of integration, such as area, volume, arc length, work, hydrostatic force, center of mass and first order differential equations. The course then covers sequences, series and power series. Finally the course covers 3D vectors, dot and cross products and lines and planes. The course meets for three hours per week in lecture with your professor and twice per week in recitation with your teaching assistant *Jeffrey Pattillo*. One of your recitation meetings is designed to discuss questions over homeworks or lectures. The other recitation meets in the computer laboratory using the computer package *Matlab*. The goal of the computer laboratory portion of the course is to show how problems that are too difficult to solve hand, can be solved with the help of the computer.

The prerequisite for this course is MATH 151 or equivalent.

Texts. J. Stewart, CALCULUS. Early Vectors, Aggie Edition, Thompson Publishing, Brooks/Cole A. Gilat, MATLAB: An Introduction with Applications, 3rd Edition, Wiley Publishing

ON-LINE HOMEWORK. You will be required to use CengageNOW for on-line homework. The homework is free for you, and you must self-enroll during the first week of class. Directions for registering for NEW and RETURNING USERS of the CengageNOW system are posted at: <u>www.math.tamu.edu/~epstein/eHW/TN152_HW.html</u>

All students enrolling at www.iLrn.com have to use their FULL CORRECT NAMES as they appear in the university records and enter your UIN. Those of you who failed completing personal info as requested will receive NO CREDIT for doing homework. You have to do ALL homeworks (absolutely no make ups!). A couple of lowest will be dropped at the end of the semester. All homeworks are due at 11:55pm on Wednesday every week. The first one is due Wednesday, 09/03. Collaboration on homework prior taking it is allowed, but when you have to be alone when you take an assignment.

SUGGESTED HOMEWORKS. Selected problems from your textbook will be assigned but NOT

graded. You are strongly recommended to do all of them which will provide a valuable practice for both on-line HWs and exams. For list of suggested HWs see: http://calclab.math.tamu.edu/docs/math152/syllabus/currenthw.html

QUIZZES. Quizzes will be given regularly, almost every week (except exam weeks) during the recitation meeting on Mondays. All of them are mandatory, although, a couple of worst grades will be dropped at the end of the semester. That is why, NO MAKE UP QUIZZES.

Each student has to buy pack of 15 ScanTron Forms 815E, and turn in to the TA before the 1st quiz.

GRADING. Your grade will be determined by three exams, a *cumulative* final exam, and a laboratory grades. The weights of each of these are as follows.

Exam I	Exam II	Exam III	Final Exam	Homework	Quizzes	Lab reports	Total
15%	15%	20%	25%	5%	10%	10%	100%
Sept. 25	Oct. 23	Nov. 25	Dec. 8	weekly	weekly	tba	

You must bring either your student ID or your driver's license to each of the above exams. There will be no extra credit under any circumstances. Exams I, II and III are common exams (same exam is given for all sections of Math 152) and are administered in the evenings from 7:30-9:30 PM. An examination room would be announced in class and posted on the course website as soon as it is assigned.

A two-hour comprehensive FINAL examination will be given on Friday, December 8, at 1 - 3 PM in the classroom.

I may curve any grade and will then compute the course grade by the following rule: A for at least 90% points, B for at least 80% points, C for at least 70% points, D for at least 60% points and F for less than 60% points.

SOURCES of HELP. First, if you have a question, do not hesitate to ask before, after, or during a class. If you are struggling or just want to get an assessment of your knowledge before an exam comes, please use the following opportunities to assist you.

• Office hours. I encourage you to attend my office hours to get individual help. You do not need an appointment to come to regular office hours. If your schedule does not permit you to come to the announced office hours, send me an e-mail with your available times and we will schedule an appointment.

• Week-in-Review. Every week there will be a week-in-review conducted by Math Department faculty member for all sections of Math 152. Problems will be posted before each session. You will benefit the most if you work on posted problems before a week-in-review is conducted. See http://www.math.tamu.edu/teaching/operationspg.html for week-in-review information and schedule.

• **Help Sessions.** The Mathematics Department offers help sessions for Math 152 students. See http://math.tamu.edu/teaching/helpsession/ for schedule and more information.

• **Streaming video.** To get one more opportunity to see how typical Math 152 problems are solved, go to Streaming video link at http://www.math.tamu.edu/teaching/operationspg.html

MAKE-UP POLICY. Make-ups for missed quizzes and exams will only be allowed for a university approved excuse in writing. Wherever possible, students should inform the instructor before an exam or quiz is missed. Consistent with University Student Rules, students are required to notify an instructor by the end of the next working day after missing an exam or quiz. Otherwise, they forfeit their rights to a make-up.

SCHOLASTIC DISHONESTY: Copying work done by others, either in-class or out of class, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. Collaboration on assignments, either in-class or out-of-class, is forbidden unless permission to do so is granted by your instructor. For more information on university policies regarding scholastic dishonesty, see University Student Rules. Remember the **Aggie Code of Honor** "An Aggie does not lie, cheat, or steal or tolerate those who do".

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Americans with Disabilities Act (ADA) Policy Statement: The following ADA Policy Statement (part of the Policy on Individual Disabling Conditions) was submitted to the University Curriculum Committee by the Department of Student Life. The policy statement was forwarded to the Faculty Senate for information. 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, Disability Services Office, in Room B116 of Cain Hall or call 862-4570.