Math 251: Engineering Mathematics III
(section 516)   Fall 2015

Lecturer: Dr. Zhizhang Xie
Lectures: TR 2:20-3:35pm, HELD 113
Office: Blocker 633C
Email: xie@math.tamu.edu
Office Hours: Monday 1:30 - 3:30pm or by appointment

Final Exam: December 16th (Wednesday), 1:00 – 3:00pm, HELD 113

Prerequisites: Math 152 or equivalent.

Course Outline:
Vector algebra, calculus of functions of several variables, partial derivatives, directional derivatives, gradient, multiple integration, line and surface integrals, Green's and Stokes' theorems. MATH 221 is designed to be a more demanding version of this course. Credit will not be given for more than one of MATH 221, MATH 251 and MATH 253.

Textbooks: James Stewart, *Calculus, with early vectors*

You paid for an electronic version of Stewart's book (eBook) through the online system WebAssign when you paid your course fees. Information on how to access your eBook and WebAssign can be found at
            http://www.math.tamu.edu/courses/eHomework
You may purchase a physical copy of the textbook or a loose-leaf copy of the text if you prefer, but this is not required.

eHomework: Online homework is required in this class and will be completed in WebAssign. The assignments *do* count toward your final grade. Access to WebAssign was included in your course fees.

Course Homepage:

Homework assignments and other course information will be posted at the course webpage: http://www.math.tamu.edu/~xie/teaching.html

It is extremely important that you visit the course homepage as often as possible (at least once a week).

Calculators: No calculators are allowed during exams.

Grading Standards:
Final grades will be determined based on:

Homework+eHomework	Two midterms	final
20%	25% each	30%

Tentative schedule for midterms (subject to change):
- October 1st, Thursday
- November 3rd, Tuesday

Letter Grades			
A	B	C	D
≥ 90%	80% - 89%	70% - 79%	60% - 69%

Policies:

o **Make-up policies:** Students must make arrangements in advance if they expect to miss an exam or quiz. Exam absences due to recognized university-related activities, religious holidays, verifiable illness, and family/medical emergencies will be dealt with on an individual basis. In all cases of absence from exams a written excuse is required. Ignorance of the time and place of an exam will not be accepted as an excuse for absence.

o **Academic integrity:** The usual rules of academic integrity apply. In particular, the Aggie Honor Code "An Aggie does not lie, cheat or steal, or tolerate those who do" should be self-evident, see
http://aggiehonor.tamu.edu/
Students may, and are encouraged to, work together and discuss homework problems with each other. However, copying work done by others is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy.

o **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 Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit http://disability.tamu.edu