

**SYLLABUS FOR MATH 251 - ENGINEERING  
MATHEMATICS III. SPRING 2008, SECTION 506**

**Instructor:** Francesco Fidaleo, Milner 222, phone: 845-7823, e-mail: [ffidaleo@math.tamu.edu](mailto:ffidaleo@math.tamu.edu)

**Office Hours:** MF, 11:30 am–12:30 pm, and 2:50 pm–3:50 pm. Sometimes, other appointments might be fixed by e-mail or directly with the instructor

**Textbooks:** Calculus: Early Vectors (Aggie Version), by Stewart, Brooks/Cole, ISBN 0534493483.

**Course Topics** (Credit 3.0): Vector algebra, calculus of functions of several variables, partial derivatives, directional derivatives, gradient, multiple integration, line and surface integrals, Stokes' theorems.

**Syllabus:** the course will cover most of chapters 11–14

**Prerequisite:** MATH 152 or equivalent

**Homework:** Weekly homework, consisting of problems from the book will be assigned, corrected and graded. The total grade will be computed by averaging the weekly scores after dropping the lowest score (the average will be done by considering the number of **ALL** the homework sessions). A list of additional homework problems for the entire semester is available on the Math 251 web page

(<http://calclab.math.tamu.edu/docs/math251/syllabus/currentsched.html>)

**Exams:** three mid-term exams will be scheduled according to the syllabus

(<http://calclab.math.tamu.edu/docs/math251/syllabus/currentsched.html>),

and a final exam is fixed according to the academic calendar

(<http://admissions.tamu.edu/Registrar/General/FinalSchedule.aspx>).

No didactic material (books, notes,...) can be used during the exams.

But the use of hand-calculators is allowed

**Grading policy:** homework average: 20%, 3 mid-term exams: 15% each, final exam: 35%. Grades will be assigned according to the following scale:  $100 \geq A \geq 90$ ,  $89 \geq B \geq 80$ ,  $79 \geq C \geq 70$ ,  $69 \geq D \geq 60$ ,  $59 \geq F$

**Make-up policy:** late homeworks and make-ups for missed exams will only be allowed for a university approved excuse in writing. Whenever possible, students should inform the instructor before an exam is missed. Consistent with University Student Rules (<http://student-rules.tamu.edu>), students are required to notify an instructor by the end of the next working day after missing an exam. Otherwise, they

forfeit their rights to a make-up.

**Academic dishonesty:** Copying work done by others is an act of scholastic dishonesty and any instance of it will be prosecuted according to University Student Rules (<http://student-rules.tamu.edu>). However, discussion of and joint work on homework problems is encouraged, so long as it helps all parties the better to learn

**Help:** students can ask any question during the lessons, the office hours, or making an appointment. Students with disabilities can get assistance from the Office of Services for Students with Disabilities (<http://disability.tamu.edu>), Tel. 845-1637

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