

Math 550, Vector Analysis, Course Syllabus

Spring 2010

Text: *Vector Calculus*
by: P.C. Matthews

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Office hours: MW 10:30–12:00

Prerequisite: MATH 241

Tests: 2 midterm tests, each counting 25%, 1 Final exam counting 35%

Tentative test dates: February 16 and April 13.

Weekly Quizzes based on HW: 15%

Date of Final Exam: Wednesday, May 5 - 9:00 a.m.

Grading scale: Letter grades will be given according to the following approximate scale: **A** : 90 – 100, **B⁺** : 86 – 89, **B** : 80 – 85, **C⁺** : 76 – 79, **C** : 70 – 75, **D⁺** : 66 – 69, **D** : 60 – 65, **F** : < 60.

Material to be covered: Chapter: 1(review), 2, 3, 4, 5, 6, possibly 7

Math 241 is the prerequisite for this course. The review of this material in chapter 1 will be brief. Make-up policy: No make-ups for missed homework or quizzes (lowest 2 or 3 scores will be dropped), make-ups for missed midterms or final will only be given if they were missed for legitimate reasons. In this case any effort should be made to contact me as soon as possible and you might need to provide documentation to support your reasons for missing the tests.

Learning Outcomes: Students will master concepts and solve problems in vector analysis; line integrals, surface integrals; Greens theorem, Stokes' theorem, Divergence or Gauss' Theorem.

Calculators, Laptops, (smart) phones: These are not permitted on quizzes, tests, and final exams.

Cell Phone Policy: Please remember to turn off or silence your phone prior to class. No texting allowed during class.

Homework Homework will be assigned each lecture but not collected. Quizzes will be based on the homework.

Attendance policy: A grade penalty can be invoked, if more than 10% of classes are missed.