

# Math 241, Vector Calculus I, Course Syllabus

Fall 2009

Text : *Calculus (Early Transcendentals)*  
Wiley, 8th edition  
by: Anton, Bivens and Davis

Professor : Anton R. Schep

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Web pages : <http://www.math.sc.edu/~schep/math241-2009.html> and  
<http://edugen.wiley.com/edugen/class/cls128861/> for access to the ebook.

Office hours : TTH 10:30–12:00 (or by appointment)

Tests : 3 fifty minutes tests, each counting 20%, Cumulative Final exam counting 30%, Attendance, Classroom participation and Quizzes counting 10%

Tentative test dates: September 25, October 26, November 23

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

Homework assignments : [//www.math.sc.edu/~schep/homework241-2009.html](http://www.math.sc.edu/~schep/homework241-2009.html)

Date of Final Exam : Thursday, December 10 - 9:00 a.m. -12 noon

Material to be covered : Chapters: 1, 2, 3, 4, 5, 6.

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.

Learning Outcomes: Students will master concepts and solve problems on vector algebra, geometry of three-dimensional space; lines, planes, and curves in space; polar, cylindrical, and spherical coordinate systems; partial differentiation, max-min theory; multiple and iterated integration, line integrals, and Greens theorem in the plane.

Make-up policy : No make-ups for missed quizzes (lowest 2 or 3 scores will be dropped), make-ups for missed hourly tests 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.

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