

# Math 241, Vector Calculus, Course Syllabus

Spring 2015

Text : *Calculus:Early Transcendentals* with Webassign  
Cengage, 6th edition  
by: Stewart  
You can buy this bundle from the bookstore or slightly cheaper from  
<http://www.cengagebrain.com/micro/USCCalc>

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Web pages : <http://people.math.sc.edu/schep/math241-2015Spring.html> and  
<https://www.webassign.net/> for access to the online Webassign site.

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

Tests : 2 one hour and 15 minutes tests, each counting 25%, Cumulative Final Exam counting 35%, Homework counting 5% and Quizzes counting 10%

Tentative test dates: February 19, April 16

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 :Online at <https://www.webassign.net/>

Date of Final Exam : Thursday, April 30 - 12:30 p.m. -3:00 p.m.

Material to be covered : Chapters: 12.1- 12.6, 13.1-13.6, 14 , 15, 16.1- 16.4.

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 Online homework will be assigned for each lecture. Quizzes will be based on the homework.

Peer Tutoring: Tutoring is available for this course to assist you in better understanding the course material. The Peer Tutoring Program at the Student Success Center provides free peer-facilitated study sessions led by qualified and trained undergraduate tutors who have previously taken and excelled in this course. Sessions are open to all students who want to improve their understanding of the material, as well as their grades. Please visit [www.sa.sc.edu/succes](http://www.sa.sc.edu/succes) to find the complete tutoring schedule and make an appointment. You may also contact the Student Success Center at 803-777-1000 and [tutoring@sc.edu](mailto:tutoring@sc.edu) with additional questions.

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 Green's 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.