

**Mathematics 241, Vector Calculus.**  
**Section 003 Spring 2009.**

**Instructor:** Matthew Boylan.  
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**Office hours:** Tues. 9 - 10, Weds. 3:30 - 4:30, Fri. 11 - 12, and by appointment.

- **Course Webpage:**

<http://www.math.sc.edu/~boylan/SCCourses/241Sp09/241.html>

- **Prerequisite:** Qualification through placement or a grade of C or better in MATH 142.
- **Text:** Anton, Bivens, and Davis. Calculus: Early Transcendentals, 8th ed., Wiley, 2005.
- **Course objectives:** 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.
- **Class schedule:** You are expected to be present at all class meetings.

**Lecture :** MWF 12:20 - 1:10 LeConte 115

In accordance with official USC policy, a grade penalty may be applied to any student missing more than 3 classes (10%) during the semester.

- **Homework:** Homework will be assigned each lecture but not collected. You are responsible for understanding all assigned homework.
- **Quizzes:** Weekly quizzes will be given based on the homework. Missed quizzes will not be made up.
- **Exam schedule:** (3 one-hour exams and a cumulative final exam)

<b>Exam 1 :</b>	Wednesday,	February 11	12:20 - 1:10	LeConte 115
<b>Exam 2 :</b>	Wednesday,	March 18	12:20 - 1:10	LeConte 115
<b>Exam 3 :</b>	Wednesday,	April 15	12:20 - 1:10	LeConte 115
<b>Final exam :</b>	Saturday,	May 2	2:00 - 5:00	LeConte 115

Missed exams will not be made up. Exceptions may be made for **documented** illness/family emergency.

- **Calculators:** Calculators (and computer software such as Maple) may be used on homework unless otherwise noted. They may not be used to do quizzes or exams.
- **Other policies:**
  - (1) Cell phones and other electronic devices are to be **turned off or put on silent or vibrate mode** during class meetings.
  - (2) Quiz and exam grades may be discussed only up to 7 days after being returned.

- **Grading:**

<b>Three hour exams :</b>	100 pts. x 3	15% x 3
<b>Final exam :</b>	200 pts.	30%
<b>Quizzes :</b>	150 pts.	25%
<b>Total :</b>	650 pts.	100%

Letter grades will be given according to the following approximate scale:

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>F</b>
90 – 100	80 – 90	70 – 80	60 – 70	0 – 60

**Note:** The deadline to drop a course without a WF is Monday, February 23.

- **Other help resources:**

- **Student Success Center Tutoring Program:** Free tutoring beginning 1/20 in the Student Success Center/Thomas Cooper Library, Mezzanine level. Students are asked to make appointments for tutoring. For more details about the session schedule, appointments, and other resources, visit:

[www.sa.sc.edu/ssc/tutoring.htm](http://www.sa.sc.edu/ssc/tutoring.htm)

or call (803) 777-0684.

- **Math Lab:** LC 105; The schedule should be on the door.
- **Private tutor list:** <http://www.math.sc.edu/mathlab/private/>
- **241 websites from past semesters:** <http://www.math.sc.edu/courses.html>

- Please do not hesitate to contact me at any time if you have questions or problems relating to this course. Best wishes for an enjoyable and productive semester!