Syllabus
Math 161 - Calculus II
Section 02
Fall 2012

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Office Hours: MWTThF 10-11, and Tues 2-3.


Prerequisite: Math 160 with a grade of ‘C’ or above.

Grade Guidelines:
1: Quizzes: 10%
2. Homework: 10%
2: Three Tests: 50%
3: Cumulative Final Exam: 30%

Exam dates are subject to change. Make-up exams will be made solely at my discretion. If you know ahead of time that you must miss an exam, you must let me know at least two class periods in advance. If you miss an exam due to some unexpected reason and fail to let me know in advance either via email, in person, or by phone, then you will not be allowed to make up the exam.

Grade Scale:
A: 90–100
B+: 86–89
B: 80–85
C+: 76–79
C: 70–75
D+: 66–69
D: 60–65
F: below 60

Course Objectives:
Applications of integration, techniques of integration, sequences and series, Taylor Polynomials, parametric equations, and polar coordinates.

Attendance Policy:
Attendance will be taken for every class, and absences will be officially reported with both the midterm and final grades.

Students with Disabilities:
Any student with a documented disability needing academic adjustments or accommodations is requested to speak with me during the first week of class. All discussions will remain confidential.
Quizzes: We will have an announced quiz in class roughly once per week. Solutions to the quizzes will be posted on the course webpage. You will be able to drop your lowest quiz score. Make-up quizzes will not be given.

Homework: Doing all of the homework assignments is absolutely necessary but not sufficient for you to pass this class. For every hour you are in class you are expected to spend at least 90 minutes outside of class working on your own.

A selection of homework problems will be collected once a week. You are encouraged to discuss homework problems with classmates. However, you are expected to individually write up your solutions, and you are responsible for your own understanding of the material. At the end of the semester, I will drop your lowest homework grade. There will be absolutely no late homework accepted.

All graded assignments must meet the following standards:

- your solutions are neat and easy to read,
- your name and the assignment number is written on the first page,
- the problems are written in order,
- multiple pages are stapled together,
- spiral notebook edges are neatly torn off.

Calculators:
Calculators and cell phones are not allowed on quizzes, tests or the final exam.

Statement of Student Conduct:
Coastal Carolina University is an academic community that expects the highest standards of honesty, integrity and personal responsibility. Members of this community are accountable for their actions and reporting the inappropriate action of others and are committed to creating an atmosphere of mutual respect and trust.

Important Dates:

- Monday, September 3 Labor Day holiday
- Thursday, September 13 Test 1
- Friday, October 5 Student holiday
- Thursday, October 18 Test 2
- Friday, October 26 Last day to drop with a grade of “W”
- Tuesday, November 6 Election Day
- Thursday, November 15 Test 3
- Week of Monday, November 19 Thanksgiving Break
- Tuesday, December 11 8:30-10:30 Final Exam, Room TBA
**Student Learning Outcomes:**

By the end of the semester, the successful student in Math 161 will have obtained facility in solving a variety of problems involving integrals, infinite series, and vectors. More specifically, students will be able to:

1. Use definite integrals in applications;
2. Evaluate integrals using a variety of techniques;
3. Evaluate convergent improper integrals;
4. Find limits of convergent infinite sequences;
5. Determine the convergence or divergence of infinite series;
6. Determine the radius of convergence of a power series;
7. Represent functions as power series;
8. Represent curves with parametric equations
9. Apply Calculus to curves represented by parametric equations
9. Apply Calculus to curves represented by polar equations

The course syllabus provides a general plan for the course; deviations may be necessary.