

Syllabus
Math 161 - Calculus II
Section 01
Spring 2012

Instructor : James Solazzo

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Office Hours: MWF 10-11am, W 2:30-3:30pm, and TTh 2:00-3:00pm

TextBook: *Calculus–Early Transcendentals*, sixth edition by James Stewart.

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

Grade Guidelines:

1: Homework: 7.5%

2: Quizzes: 7.5%

3: Four tests: 60%

Test 1 (Feb. 3rd): Sec 5.5, Sec 6.1-6.5, 8.1. 9.3

Test 2 (Feb. 27th): Sec 7.1-7.5, 7.8

Test 3 (Mar. 29th): Sec 11.1-11.8

Test 4 (Apr. 20th): Sec 11.9-11.10, 10.1-10.4

4: Cumulative Final Exam (May 1st 8:30 AM): 25%

Test dates are subject to change. Make-up tests will not be allowed.

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, parametric equations, the polar coordinate system, conic sections, sequences and series.

Attendance Policy:

The attendance policy for this class is the same attendance policy stated in the current university catalog.

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.

Homework:

You are encouraged to discuss homework problems with your classmates. However, you are expected to write up your solutions on your own. At the end of the semester, I will drop your lowest homework grade. Please adhere to the following guidelines when writing up your homework assignments:

- your solutions are neat and easy to read,
- your name and the assignment number is written on the first page.
- all pages need to be stapled together.

In addition, show supporting work for your solutions to receive full credit. All word problems must be answered in the form of a complete sentence.

Calculators:

Calculators and cell phones are not allowed on quizzes, tests and 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, Jan 16	MLK Day
March 12 through 16	Spring Break
Thursday, March 22	Last day to drop w/ grade of "W"
Friday, March 30	Celebration of Inquiry
Friday, April 6	Student holiday
Wednesday, April 25	Last day of the classes
Tuesday, May 1	Final Exam 8:30 am–10:30 am

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 and infinite series. 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. Sketch curves given in parametric or polar form;
9. Identify conic sections.

Weekly Schedule:

Week	Sections
1	Sec 5.5, Sec 6.1
2	Sec 6.2, Sec 6.3
3	Sec 6.5, Sec 8.1, Sec 9.3
4	Sec 9.3, Review for Exam 1
5	Sec 7.1, Sec 7.2, Sec 7.3
6	Sec 7.3, Sec 7.4, Sec 7.8
7	Sec 7.8, Review for Exam 2
8	Sec 11.1, Sec 11.2
9	Sec 11.3, Sec 11.4, Sec 11.5
10	Sec 11.6, Sec 11.8
11	Review for exam 3, Sec 11.9
12	Sec 11.9, Sec 11.10, Sec 10.1
13	Sec 10.2, Sec 10.3, Sec 10.4
14	Sec 10.4, Sec 10.5, Review for Exam 4
15	Review

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