1. **COURSE DESCRIPTION.** Calculus II is a continuation of Calculus I, focusing on integration and infinite series. The course prerequisite is Math 160 with a minimum grade of ‘C’ or equivalent.

2. **COURSE OBJECTIVES.** Applications of integration, techniques of integration, sequences and series, Taylor Polynomials, elementary differential equations.

3. **STUDENT LEARNING OUTCOMES.** At the completion of the course, the successful student in Math 161 will have obtained facility in solving a variety of problems involving integrals, infinite series, and differential equations. More specifically, students will be able to:

   (a) Use definite integrals in applications.
   (b) Evaluate integrals using a variety of techniques.
   (c) Set up and solve integrals arising from geometrical problems.
   (d) Find limits of convergent infinite sequences.
   (e) Determine the convergence or divergence of an infinite series.
   (f) Determine the radius of convergence of a power series.
   (g) Represent functions as power series.
   (h) Verify solutions of differential equations.
   (i) Set up and solve separable differential equations.

4. **Required Textbook:** *Calculus: Early Transcendentals, 2/e* by Briggs, Cochran, Gillett and Schulz.

5. **MyMathLab course code:** ephrem70778

6. **WEBPAGES.** Check ww2.coastal.edu/menassie/math161 for information and ww2.coastal.edu/rdahal/math161 for sample questions with video solutions.

7. **IMPORTANT DATES.** Note the following dates in your planner:

   - Monday, January 18: Martin Luther King, Jr. holiday
   - March 7 - 12: Spring Break
   - Friday, March 25: Student holiday – no classes
   - Thursday, March 23: Last day to drop with grade of “W”
   - Wednesday, April 27: Last day of classes
   - Tuesday, May 3: Final Examination 8:30–10:30

8. **CALCULATOR POLICY.** While a graphing calculator is not required for this course, you may find one to be useful. We recommend a TI-83 or TI-84. You are not allowed to use a TI-89 calculator or higher. During exams, mobile phones and other electronic devices are not acceptable substitutes for calculators; as such, it will not be allowed.
9. **ASSESSMENTS.**

- **Exams.** There will be three 50-minute exams and a cumulative 120-minute final exam. The tentative exam dates are:
  - Exam 1—Wednesday, February 10
  - Exam 2—Friday, March 18
  - Exam 3—Friday, April 22
  - Final Exam—Tuesday, May 3.

- **Homework and Quizzes.** Online homework will be assigned regularly. We will have quizzes on regular bases. At the end of the semester your lowest quiz score will be dropped. There will be absolutely no make-up quizzes.

10. **GRADING.**

10.1 **Grade Components and Weights.** Course weights are distributed in the following manner:

   (a) Quizzes and Homework, 17%
   (b) Exams, 51% (i.e. 17% each)
   (c) Final exam, 32%

10.2 **Grading Scale.** The grading scale is

   A: 90–100
   B+: 87–89
   B: 80–86
   C+: 77–79
   C: 70–76
   D+: 67–69
   D: 60–66
   F: 0–59

10.3 **Extra Credit.** There is no extra credit in this course.

10.4 **Make-Up Exams.** 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 (on the scheduled exam day) either via e-mail, in person, or by phone, then you will not be allowed to make up the exam.

10.5 **Academic Dishonesty.** Cheating is a very serious offense. Academic offenses and violations shall be reported to the Office of Academic Integrity. To the fullest extent allowable under Coastal Carolina University’s Code of Conduct, the office will prosecute the offender on whom academic sanctions may be henceforth imposed.

   Mobile phones must be turned off and out of sight throughout. You are neither allowed to send text messages nor allowed to check your e-mails during class. The use of music players, laptops and electronic devices of any kind is strictly prohibited.

11. **ATTENDANCE.** Students are obligated to attend class regularly. Absences will be officially reported with both the midterm and final grades. Absences, excused or not, do not absolve a student from the responsibility of completing all assigned work promptly. If you miss a class, obtain notes from your peers and learn of topics discussed and announcements made. More info here: http://www.coastal.edu/policies/pdf/acad-125classattendance.pdf

12. **SUPPORT.** E-mail is a quick and convenient way to communicate many things, and I encourage you to write me to set up appointments and with any administrative, grading or similar concerns. My experience has been, however, that e-mail is not a very efficient way to communicate mathematical content. It takes a lot of extra time and effort both for you to state your question clearly in writing and for me to ascertain what you are actually asking and to come up with a comprehensible answer.

   Hence, I encourage you to visit me during my office hours.
Office hours are walk-in hours; no appointment is necessary. Any changes to my hours will be announced. If you wish to meet outside of these hours, please e-mail me to schedule an appointment.

The Mathematics Learning Center (MLC) offers free tutoring and no appointment is necessary.

(a) Mondays through Thursdays at 08:30-22:00 in 203 Kearns
(b) Fridays at 08:30-15:00 in 203 Kearns
(c) Sundays at 16:00-19:00 in 221 Kimbel

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.

13. **DISCLAIMER.** The schedule, policies, procedures and assignments in this course are subject to change in the event of extenuating circumstances and/or ensuring better student learning.

14. **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.