GENERAL INFORMATION FOR STUDENTS
OF CALCULUS II, SPRING 2012

Course Description:

- MATH01-131 : Calculus II
- Professor: Dr. Abera Abay, Office: 228M (2nd floor, Robinson Hall), Tel. 256-4500 Ext. 3878
- E-mail: abay@rowan.edu

- **Syllabus:** This course begins with applications of integration (such as volume of a solid of revolution, work, arc length, area of a surface of revolution). Integration by parts, partial fractions and other more advanced integration techniques are introduced, along with a discussion of numerical integration, and improper integrals. Sequences, convergence and divergence of a series, and Taylor series of a function will be presented. Polar coordinates and parametric equations will also be discussed. A graphing calculator is required for this course, and so is the use of a computer algebra system, such as *Mathematica.*

Required Materials:

- Textbook: Calculus: Early Transcendentals, 2^{nd} edition, Jon Rogawski, W. H. Freeman and Company, 2012
- Calculator: A graphing calculator, such as the TI-89.
- Rowan Network Account (Computer accounts can be obtained from the Office of Instructional Technology in Memorial Hall.)

Grading Policy:

Distribution:
- 10% - Attendance and class participation
- 10% - *Mathematica* Assignment
- 80% - Three tests
  Test 1: Section 4.7, chapter 6, and sections 7.1 to 7.4 (25%)
  Test 2: Sections 7.6 & 7.7, sections 8.1& 8.4, and sections 10.1 to 10.3 (27%)
  Test 3: Sections 10.4 to 10.7, and sections 11.1 to 11.4 (28%)

There will also be announced quizzes that are worth 20% of each test grade.

Numerical grades will be converted to letter grades by the following scale.
A = 90 to 100, B = 80 to 89, C = 70 to 79, D = 60 to 69, F = 0 to 59

Please note that this course has no pass/no credit option.

***Mathematica* Assignments:**

There will be two assignments where students must use the computer algebra system *Mathematica* to solve calculus problems. Students will be allowed to work in-groups of three or four. Students are encouraged to discuss the assignments with each other or the professor.

Attendance Policy:
Attendance is mandatory. An attendance sheet will be passed at the beginning of each class period. Please write your signature next to your printed name on the list. If you are absent/tardy from a class, you must submit a note requesting that the absence/tardiness be excused by the next class meeting. Each student is allowed a total of two unexcused absences/tardies (combined). If you miss a class, it is your responsibility to study the section(s) covered and do the homework.

If you are absent the day of a regularly scheduled test, a grade of zero is automatically recorded as your test score. You will be permitted to make up this zero only when you can confirm that you were absent for reasons beyond your control. In such cases, you must telephone 256-4500 extension 3878 (or send me an e-mail) and leave a message including your name and telephone number, the reason for your absence and the date you anticipate returning. *Students who fail to leave the above information will be assigned the grade of zero for that test.*

Academic Honesty: Cheating on a test or assignment seriously undermines the integrity of the academic system and will not be tolerated. If I determine that a student has cheated, I will assign the grade of F for this course and send a letter to this effect to his or her advisor. Although a student is not cheating, he or she is expected to refrain from actions that could be suspicious. Using common sense on your part should avoid unnecessary embarrassment.

Classroom rules:

- Students will abide by Rowan's student code of conduct and policy on academic honesty. Improper behavior will not be tolerated.
- Students are not permitted to leave the classroom during class period except for emergencies or unless prior arrangements have been made with the instructor. Please use the restrooms before class begins.
- Please turn off your cell phones during class.

Students with Disabilities and Special Needs: Your academic success is important. If you have a documented disability that may have an impact upon your work in this class, please contact me. Students must provide documentation of their disability to the Academic Success Center in order to receive official University services and accommodations. The Academic Success Center can be reached at (856)256-4234. The Center is located on the 3rd floor of Savitz Hall. The staff is available to answer questions regarding accommodations or assist you in your pursuit of accommodations. We look forward to working with you to meet your learning goals.

Questions in Class: The best time to ask questions is during class. Many times students fear that their questions will seem foolish, while in fact, many others also have the same question. I urge you to ask your questions during class. If you have questions that were not answered in class, you may stop by my office during the following office hours.

Office Hours: M: 11:15 – 12:00 p.m.; T, R: 10:00 – 10:40 a.m., and by appointment.

Homework Problems: A list of homework problems is given on the next page. You are expected to do these problems after we cover a given section.