Math 122
Calculus II
Spring 2012, Section I
CRN: 22397
MWF 8:00-8:50
Tuesday 8:30-9:20 (8:00-9:20)
Ohlendorf 225

Instructor: Dr. Christopher Mouron
Office: 322 Ohlendorf Hall
Office Hours: MWF 2:30-3:30 am or by appointment. Pop-ins are welcomed
Phone: x3720
Email: mouronc@rhodes.edu
Text: Single Variable Calculus –Early Transcendental Functions- (7e)th Edition. By Stewart.
Course Description: Calculus is a powerful tool in modeling real world problems. This course provides an overview of calculus with some emphasis placed on applications. In order to realize this, one must develop a theoretical and conceptual understanding as well as the ability to manipulate symbols. We will cover integration techniques, sequences and series, differential equations and applications of integration.

Course Content: The goal is to cover most of the topics in chapters 6-9 and 11. However, this will be done with an emphasis on solving differential equations. In doing this we will cover integration techniques, sequences and series. The last chapter will cover other applications of integration such as probability and arc-length.

Course Prerequisites: Math 121 or equivalent.

Attendance Policy: I will follow the College's attendance policy, which can be found on page 71 of the Catalogue. In particular, a student will be giving a warning after 4 absences and a written recommendation to the Dean that the student be dropped from the course will be made after 7 absences. In the case of a missed test, the student will be allowed to make-up the test only if both of the following conditions are satisfied:
1) I am contacted before the test is given (at least 1 week in the case of absence due to the attendance of an official school function.)
2) I am given proper documentation.
Finally, the student is responsible for all material and notes due to an absence. Get the notes from another student. Come to my office for any materials handed out in class.

Homework, Labs and Quizzes (10%): Mathematics is not a spectator sport. In order to learn the techniques and concepts, the student must work problems outside of class. The student is expected to spend at least 3 hours outside of class for every hour spent in class.

1) Practice exercises. It is expected that student will do these problems before the next class meeting. If a student has difficulty with an exercise, the student may ask me to do it in class (provided time allows) or in my office. A student

who is not prepared for class is essentially the same as absent and will be considered as such. Students are to keep a notebook that contains all of their practice exercises. This is to be turned in on the day of the tests. If a student gets below a 75 on their tests, then that student is required to show me there notebook before or after each class until their test scores improve.

2) Graded exercises. These problems will be collected usually once a week. Due to the fact that I have over 70 students, it is imperative that the work turned in is neat and organized. The student will be graded on correctness of the work. Also the student is required to show all work leading to an answer. The students may work together on these problems but the work turned in must be the students own, i.e. no copying. Copying homework will be considered an honor violation and students suspected of copying homework will be referred to the Honor Council. Also, if student do work together on homework, they must document who they worked with.

3) Pop quizzes. If it is evident to the instructor that the students are not keeping up with the homework, a pop quiz may be given.

Also, the student is expected to "pre-read" the text before the lecture. This is a excellence way for the student to familiarize him/herself will the material covered and will aid the student in following the lectures.

Written Discovery Projects (15%): There will be 2 discovery projects that will consist of longer, more involve applications of calculus. These projects must be typed and will be graded on correctness of the mathematics and written exposition.

Late homework and projects will not be accepted. You will have plenty of time to complete assignments to turn in. If you are sick, have a roommate, classmate or friend turn in your homework for you. If they can get it to me before noon, it will be accepted. I f you plan to miss class for other reasons, turn in the homework early or have a classmate turn it in during class.

Tests (48%): There will be 3 tests throughout the semester. Unless otherwise notified, the test will be closed book and notes. The tentative test dates are:
1) February 7
2) March 6
3) April 17

Final Exam (27%): The final exam will be cumulative. Unless otherwise notified, the exam will be closed book and notes. The final exam will be Monday April 30, at 1:00 pm **Calculators will not be allowed on the final.**

Grades: Grades will be earned for the following percentages:

A	Score >= 93%	C	73% <= Score < 77%
A-	90% <= Score < 93%	C-	70% <= Score < 73%
B+	87% <= Score < 90%	D+	67% <= Score < 70%
B	83% <= Score < 87%	D	63% <= Score < 67%
B-	80% <= Score < 83%	D-	60% <= Score < 63%
C+	77% <= Score < 80%	F	Score < 60%

Honor Code: The student is expected to conduct him or herself within the guidelines of the College's Honor Code. If you have any questions about what is or not allowed, please ask.

If you have a documented disability and wish to receive academic accommodations, please contact myself and the Office of Student Disability Services as soon as possible.