Syllabus
Math 122, Section 1
CRN 23429
Spring 2013

Instructor:	Eric Gottlieb
Meetings:	MWF 9:00 – 9:50 in 225 Ohlendorf
	T 8:30 – 9:20 in 225 Ohlendorf
Text:	*Single Variable Calculus Early Transcendentals*, 7th ed., by Stewart
Office:	317 Ohlendorf
Office Hours:	MTW 2 – 3
	R 9 - 11
email:	gottlieb@rhodes.edu

Material to be covered: We will cover the following material from the text.
- Chapter 5, Sections 3 – 5: Review of the fundamental theorem of calculus and integration by substitution, both of which you should have seen in Calculus I. Numerical integration. The natural logarithm as an integral. Integrals involving inverse trigonometric functions.
- Chapter 6, Sections 1 – 5: Applications of integration, including area between curves, volumes by several techniques, work, and average value of a function.
- Chapter 7, Sections 1 – 4, 7, 8: Techniques for integration, including integration by parts, trigonometric integrals and substitution, and partial fractions.   Numerical integration and improper integrals.
- Chapter 8, Sections 1 – 5: More applications of integration, including arc length, area of surfaces of revolution, applications to physics, engineering, biology, and economics, and probability.
- Chapter 9, Sections 1 – 6: Differential equations. Modeling, direction fields, some solution techniques.
- Chapter 11, Sections 1 – 11: Infinite sequences and series. Tests for convergence, power series and their use in representing functions, Taylor and Maclaurin series.

Homework: I will assign homework for each section but I will not collect it. It is definitely to your advantage to do the homework, however, as questions on quizzes and exams will be similar (in some cases, identical) to questions from the homework. I will answer questions about the homework at the start of each class, time permitting.

Quizzes: There will be 12 take home quizzes over the course of the semester. They will be distributed over the weekend and due in class at the start of the week. The quizzes will normally consist of two problems which will be similar to those assigned as

homework and worth 5 points each. There will be no makeup quizzes. Quizzes that are missed for valid reasons may be omitted from the computation of the quiz average. Quizzes are scheduled to be turned in on 14, 22, and 28 January; 11, 18, and 25 February; 18 and 25 March; and 1, 8, 17, and 22 April.

Midterm exams will be given on the dates indicated below. The dates of the exams are fixed but the material to be covered is tentative and depends on our pace.

Exam	Date	Material to be covered (tentative)
MT 1	Friday 1 February	Sections 5.3 – 5.5, 6.1 – 6.5, 7.1
MT 2	Friday 1 March	Sections 7.2 – 7.4, 7.7, 7.8, 8.1 – 8.4, 9.1, 9.2
MT 3	Friday 5 April	Sections 9.3 – 9.6, 11.1 – 11.6

If you know you will miss an exam, notify me in advance. I am more sympathetic to requests to take an exam early than I am to requests to take it late. In either case, you must provide a compelling and documented reason for missing the exam.

The final exam be comprehensive with additional emphasis on material not covered on any midterm. It will be held at 5:30 PM on Tuesday 30 April in 225 Ohlendorf. You also have the option to take the final one of my other classes (1 PM on Wednesday 1 May, 5:30 PM on Monday 29 April, or 1:00 PM on Friday 3 May) but in order to do this, you must email me with a request and receive my permission in response.

Calculators are not permitted on exams.

Final Grades are determined as follows:

Midterm Exams:	19% each
Quiz Average:	19%
Final Exam:	24%

The letter equivalent of your number grade is determined as follows. These represent minimum grades in order to allow me some discretion. It is possible, for example, to receive a B while earning a total score of less than 83%. However, if you earn a score between 83% and 86%, you are guaranteed to receive a grade of B or better.

93-100	90-92	87-89	83-86	80-82	77-79	73-76	70-72	67-69	63-66	60-62	<59
A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F

Attendance is not a formal part of your grade, but I will take attendance each day. If you miss more than five classes without a valid reason, I reserve the right to ask the Dean to drop you from the class.

Full credit on graded work is awarded when your work is complete, correct, and legible. Work that fails to meet one or more of these criteria may receive partial credit at my discretion.

If you get stuck, please take action. Peer tutoring is available in the Math Support Center (MSC), which is located one floor above ground level in Ohlendorf. The MSC organizes study groups for Calculus II, and you are welcome to form study groups on your own. I am always happy to see you in my office. My scheduled office hours are the best times to find me, but if these are not convenient for you, email me to arrange a meeting at our mutual convenience.

The Honor Code: I take the Rhodes Honor Code seriously and I expect you to do the same. All graded work must comply with the Honor Code. If the Honor Council finds that there has been a violation of the Honor Code on a graded instrument, I reserve the right to award a grade of zero on that instrument.