

Cedar Crest College
Calculus III - MAT 211 00 2
Fall 2009
MWF 8:00 am-8:50 am CUR 206

Professor: Dr. Michael Sarver
Office: Curtis 219

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Office Hours

Monday, Wednesday 9:00 a.m. - 9:50 a.m., 11:00am - 11:50am

Friday 9:00 a.m. - 9:50 a.m.

Thursday 3:30-4:20pm

Additional office hours are available by appointment.

Required Text:

Stewart, Calculus, 6th ed., Thomson, 2008.

Course Description:

Picking up where Calculus II leaves off, in this course we will continue to study integral and differential calculus, but in new settings. We will study new ways of representing functions and curves in the plane.

Course Outcomes:

Specifically, upon successful completion of the course the student will demonstrate logical reasoning and problem solving skills within the following contexts:

- ★ Determine if certain improper integrals converge or diverge and compute the value of convergent improper integrals.
- ★ The use of a graphing calculator to approximate the value of definite integrals.
- ★ Applying divergence tests, integral tests, comparison tests, alternating series tests, ratio and root tests to determine the convergence of series.
- ★ The representation functions as Power Series (Maclaurin series and Taylor series)
- ★ The representation of functions with parametric and polar equations

Assessment:

There will be three exams each accounting for 25% of your final average. The remaining 25% will consist of short quizzes.

The grade scale that I will use to assign final grades is A [93-100], A- [90-93), B+ [87-90), B [83-87), B- [80-83), C+ [77-80), C [73-77), C- [70-73), D+ [67-70), D [60-67), F [0-60).

Attendance in class is expected of all students and mandatory on exam days, but it will not be factored numerically into your grade. Make-up exams will be given only with prior notification and documentation of a legitimate excuse. There are **no** makeups for missed quizzes

Notes

- I fully support the Cedar Crest College Honor Code and the Classroom Protocol code as stated in the Customs Book. Appropriate classroom behavior is implicit in the Cedar Crest College Honor Code. Such behavior is defined and guided by complete protection for the rights of all students and faculty to a courteous, respectful classroom environment. That environment is free from distractions such as late arrivals, early departures, inappropriate conversations and any other behaviors that might disrupt instruction and/or compromise students' access to their Cedar Crest College education.
- Students should not make any travel arrangements for the end of the semester until after the final exam schedule is published.
- Cell phones should be turned off for the duration of the class period.
- Collaboration on daily homework is expected and encouraged, but any work turned in for a grade should be your own. Violations of the college plagiarism policy will be reported to the dean and result in a grade of zero for the particular assignment / exam.

- It is vitally important for you to keep current with the work. Students who fall behind early quickly find themselves in a hole that is very difficult, if not impossible, to get out of. I'm more than willing to meet with you during my office hours or otherwise to help you succeed, but you must make the effort. Feel free to drop by my office, even if it's not my scheduled office hour.
- The format of the course will be lecture/discussion with much emphasis on homework discussion. In order for this to work it is vitally important for you to come to class prepared.
- It will be beneficial for you to have read the day's material before coming to class.
- Students with documented disabilities who may need academic accommodations should discuss these needs with me during the first two weeks of class. Any student who wishes to request accommodations should contact the Advising Center.

Tentative Schedule

Day	Date	Sections
Monday	Aug 24	Introduction/Review
Wednesday	Aug 26	12.1
Friday	Aug 28	12.1
Monday	Aug 31	12.2
Wednesday	Sep 02	12.3
Friday	Sep 04	12.3
Monday	Sep 07	Labor Day
Wednesday	Sep 09	12.4
Friday	Sep 11	<i>Quiz #1</i>
Monday	Sep 14	12.5
Wednesday	Sep 16	12.5
Friday	Sep 18	12.6
Monday	Sep 21	<i>Review</i>
Wednesday	Sep 23	Exam #1
Friday	Sep 25	12.7
Monday	Sep 28	12.8
Wednesday	Sep 30	12.9
Friday	Oct 02	<i>Quiz #2</i>
Monday	Oct 05	12.9
Wednesday	Oct 07	12.10
Friday	Oct 09	12.11
Monday	Oct 12	Fall Break
Wednesday	Oct 14	12.11
Friday	Oct 16	<i>Review</i>
Monday	Oct 19	<i>Review</i>
Wednesday	Oct 21	Exam #2
Friday	Oct 23	President's Inauguration
Monday	Oct 26	9.1
Wednesday	Oct 28	<i>Review</i>
Friday	Oct 30	<i>Quiz #3</i>
Monday	Nov 02	11.1
Wednesday	Nov 04	11.1
Friday	Nov 06	11.2
Monday	Nov 09	11.2
Wednesday	Nov 11	<i>Quiz #4</i>
Friday	Nov 13	11.3
Monday	Nov 16	11.3
Wednesday	Nov 18	11.4
Friday	Nov 20	11.4
Monday	Nov 23	<i>Quiz #5</i>
Wednesday	Nov 25	Thanksgiving
Friday	Nov 27	Thanksgiving
Monday	Nov 30	11.5
Wednesday	Dec 02	11.5
Friday	Dec 04	11.6
Monday	Dec 07	<i>Review</i>
Tuesday	Dec 08	<i>Review</i>
TBA	TBA	Exam #3