

MAT 292-03: Calculus II

University of North Carolina Greensboro

Fall 2014

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Office Hours: Mondays, Tuesdays, and Fridays 14:00-15:00 in Petty 145
and by appointment.

Course Description and Objectives

Continuation of the study of differential calculus of the elementary transcendental functions, introductory integral calculus of the algebraic and transcendental functions of one variable, techniques of integration.

Meeting Times

The class will meet on Mondays, Wednesdays and Fridays from 13:00 to 13:50 in Petty 223.

Textbook

The textbook for this course is *Thomas' Calculus: Early Transcendentals*. 12th edition is recommended. Not single variable version.

Prerequisites

A grade of at least C in MAT 191. The grade of C- does not satisfy the prerequisite. Material from MAT 151 (Precalculus II) and MAT 191 (Calculus I) [Chapters 1-4 of the textbook] will be used throughout the course on a daily basis. If the prerequisite material is not fresh in your mind, review it carefully. If you do not have the prerequisites for the course, you may be dropped without notification at any time.

Material covered

We cover most of the material in chapters 5, 6, 7, and 8 of the book.

Policies

1. **Calculators:** No calculators will be allowed during any midterm or the final exam.
2. **Attendance Policy:** Attendance is mandatory. If you miss a class, you are still responsible for the material covered.
3. **Academic Integrity Policy:** You must abide by the UNCG Academic Integrity Policy: <http://academicintegrity.uncg.edu/>

Grades

Grades will come from weekly homework (20%), three in-class tests (15% each), and the final exam (35%). The following grade scale will be used (with \pm assigned for top/bottom 2 points of each range):

A: 90-100 B: 80-89 C: 70-79 D: 60 - 69 F: 59 and below

1. **Homework (20%)** There will be approximately one homework assignment per week. Usually the assignments are handed out in class on Monday and are due on Wednesday the next week. Only a selection of the problems may be marked. In the calculation of your course grade your two lowest homework grades will be dropped.
2. **Tests (45%):** There will be three in-class tests that count 15% each. The tentative test dates are September 12, October 10, and November 21. Your lowest test grade will be replaced by your grade in the final exam, if it is to your advantage.
3. **Final exam (35%):** There will be a cumulative final exam on Wednesday, December 3 from 15:30 to 18:30.

Due times and Make-ups

Given the compressed nature of the course, there will be no extensions of due times and no make-ups.

Math Help Center

The Math Help Center is located in Room 210 in the Curry Building. Opening hours and the hours of the graduate student who specializes in MAT 292 can be found on

<http://www.uncg.edu/mat/mathhelpcenter>