

**UNIVERSITY OF DELAWARE**  
**Mathematical Sciences Department**  
**Math 243 — Analytic Geometry and Calculus C — Spring 2012**

**Instructor:** Dr. Richard J. Braun; Ewing 509; 831-1869; braun@math.udel.edu;  
<http://www.math.udel.edu/~braun>

**Text:** “Math 241/242/243” by J. Stewart, 6th ed. ISBN 978-0-495-47922-2. (For ISBN with 10 digits, drop the initial three digits of the given 13 digit number.)

**Sections to be covered:** 12.1-6; 13.1-4; 14.1-8; 15.1-8; 16.1-9.

**Grading:** The following weights will apply to the parts of the class. Homework (roughly weekly), 10%; Computer projects, 7%; 3 one-hour exams, 19% each; Final exam (2 hour), 26%.

**Homework:** I will collect a subset of the homework problems and a subset of those will be graded. The assignments will be approximately weekly. No late homework assignments will be accepted. Your best way to ensure that you do well on the exams is to keep up with and do the homework assignments for yourself.

**Computer projects:** Two take-home computer projects to be done in Maple. Maple can be run on X-terminals and pc’s at various locations around campus, or it can be purchased to run on your own pc. The official site for Maple for students is at <http://www.maplesoft.com/products/Maple/students/>. A Maple tutorial is at <http://www.math.udel.edu/~rakesh/TEACH/M243/BOOKLET/booklet.html>. More info about Maple will be made available during the course.

**Tentative office hours:** MW 2:30-4:00, F 9-10 or by appointment.

**Rules for Exams:** Absolutely no make-up tests except where mandated by university rules. If a make-up exam is approved, the grade for the missing test will be taken to be the average of the grades from the other exams.

**Rules for Assignments:** These rules apply to both homeworks and computer assignments:

- More than one page that you turn in must be stapled. The first page must be clearly labeled with your name, a title that distinguishes it from any other assignment (e.g., “Math 243 – First project”), and the due date.
- Late work will not be accepted unless arrangements have been made with me before the due date.
- Answers should be well-documented and solution steps sufficiently described. *Do not give me long printouts of raw data or numbers that waste paper and contribute little or nothing to the assignment.*
- Unless otherwise indicated, all programming and project assignments are to be done independently. The problems and projects you hand in must be your own work and must not be copied from others. For complete information about University policies relating to academic honesty, read the online Student Handbook at <http://www.udel.edu/stuguide/11-12/code.html#honesty>.

**The computer classroom:** You will be required to use the generic student account when you are working on the Apples in the computer classroom. It is local to each machine, but anything stored there is destroyed when you log out. You will therefore need to save it by one of the following methods: a USB key, mail files to yourself, or transfer the file(s) to another machine where you can store them. The USB key (memory stick, etc.) may be the easiest, but I will show you how to transfer files to the campus servers if needed.

**Email policy:** I expect to check email regularly, and to respond as soon as reasonably possible. Keep in mind that I have lots of commitments with other people too. I will respond in a timely and polite way if your email begins with a salutation, asks your question courteously (please and thank you, e.g.), and it ends with a signature block. Some questions are much more easily answered in person and I may encourage you to visit my office, so don’t wait until late the night before the homework is due.