

Mathematics 4581AG/AU/Video
Classical Mathematical Methods in Engineering
Spring 2007

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1. General Information. This information sheet, as well as assignments and other course information, is posted at www.math.gatech.edu/~andrew.

Math 4581AG/AU meets at 1:35 – 2:55 on Tuesdays and Thursdays. Office hours will be Monday, Wednesday, Friday 1:30 - 2:30.

2. Text and Material. The text for this course is *Boundary Value Problems and Partial Differential Equations, 5th Edition*, by David L. Powers. We will cover most of Chapters 1 through 6.

3. Homework and Tests. Homework will be assigned, and will be due each week on Thursday. For in-class students a proper subset of each assignment will be graded. Homework assignments for video students will not be graded, but I strongly urge you to do all of the assigned problems. I would be pleased to answer questions by phone or email. You may use computers and calculators on homework, but be sure to explain your work. There will be three tests and a final exam. Tentative dates for tests are

Test 1	8 February
Test 2	8 March
Test 3	12 April

I discourage make-up exams, and any make-up tests must be approved in advance by me.

4. Grading for On-Campus (AU/AG) students. The tests, homework, and final examination will be counted with the following weights.

Tests	50%
Homework	10%
Final Examination	40%

Letter grades will be based on the overall average at the end of the term, with letter grade cutoffs at least as favorable as 90, 80, 70, 60.

5. Special Procedures for Video students.

- a. You should take tests according to the procedures outlined by the Distance Learning Office.
- b. Since I want to be able to discuss homework in class, homework will not be graded for video students. For video students the hour will count 20% each and the final will count 40%.

Letter grades will be based on the overall average at the end of the term, with letter grade cutoffs at least as favorable as 90, 80, 70, 60.

6. Honor Code. Please review the Georgia Tech Honor Code. All examinations in this course are closed book. On the three tests during the term you may use notes on one sheet of 8.5 by 11 inch paper. You may write on both sides, but you must be able to read your notes using only the optical equipment you use in daily life. You may discuss homework with each other, but I expect you to write your solutions yourself. The work you ultimately submit must be your own.