

Math 4320  
Fall 2001  
A. D. Andrew

Procedures

1. This and other information related to this course is available on the web at

[www.math.gatech.edu/~andrew](http://www.math.gatech.edu/~andrew)

2. This course deals with the theory of functions of a complex variable, including contour integration, conformal mapping, and applications of both. The text is *Complex Variables and Applications, Sixth Edition*, by Brown and Churchill. We will cover chapters 1 through 8, and selected topics from Chapters 9 through 12. Other books you may wish to consult are *Complex Variables*, by M. R. Spiegel (Schaum's Outline Series), and *Fundamentals of Complex Analysis for Mathematics, Science, and Engineering*, by Saff and Snider. (Saff earned his Bachelor's Degree at Georgia Tech in 1964).

3. My office is 164 Skiles and office hours will be Mondays and Wednesdays 12:30 – 1:30, Fridays from 11:30-12:30, and by appointment at other times. I may be reached by phone at 894-2719 and by e-mail at [andrew@math.gatech.edu](mailto:andrew@math.gatech.edu). The URL of my web page is

[www.math.gatech.edu/~andrew/](http://www.math.gatech.edu/~andrew/)

4. Homework will be assigned each week and will generally be due on Fridays. A subset of each assignment will be graded. You may consult each other on homework, but be sure the work you turn in is your own.

5. There will be three hour tests and a final examination. The hour tests will be on Monday 17 September, Monday 22 October, and Monday 19 November. Homework will count 10%, the hour tests together will count 55%, and the final examination will count 35%. Letter grades will be computed from the overall average.

6. Please review the Georgia Tech Honor Code. You may consult each other on homework, but be sure the work you turn in is your own. Examinations in this course will be open book. You will be able to use the text by Brown and Churchill. Calculators may also be used. I have posted sample tests on my web site.

7. The first homework assignment, due on Friday 31 August, is

Chapter 1

Page 11: 10, 12, 19

Page 17: 1, 5

Page 22: 2cd

Page 25: 1

Chapter 2

Page 31: 1cd, 2, 4, 5, 6, 14

Page 47: 1ab, 2, 8ab, 9

Page 54: 1ac, 2d, 4c, 6

Page 62: 1b, 2b, 3a