The assigned text for the course will be:

Title: “Function Theory of One Complex Variable”
Authors: Robert E. Greene and Steven G. Krantz
Publisher: American Mathematical Society
Edition: 3rd

Additional material will be taken from other sources such as books or papers.

Prerequisite and Description: Math 6321 is an introduction to graduate complex analysis. Topics covered include: Elementary properties of complex numbers, complex line integrals, applications of Cauchy’s Integral, meromorphic functions, zeros of holomorphic functions, holomorphic functions as geometric mappings, harmonic functions, analytic functions and infinite series and products.

Prerequisites for the course are Math 4317 (Undergraduate Analysis I) and Math 4320 (Undergraduate Complex Analysis) or equivalent.

Attendance: Attendance is required for all lectures. The student who misses a class meeting is responsible for any assignments and/or announcements made. Office hours will not be utilized to re-teach material presented in class. However, questions to better understand the course are always welcome.

In the event of an absence that will impact your ability to complete your assignments due to travel representing Georgia Tech, you must notify the professor at least two weeks in advance to arrange an early test or other alternative. Otherwise, such absences will be treated as personal.

Homework: This course will have daily homework assignments which should be done before the next class. Homework will be collected and graded.

Exams: This course will have two mid-term exams, and a comprehensive final exam. The exams for the course will take place on:

Exam Dates:
Exam 1  February 14  
Exam 2  March 28  
Final Exam  Friday, May 6 8:00am - 10:50am

**Learning Disabilities:** It is the right of any student with a certified learning disability to request necessary accommodation. Such requests must be made well in advance of the time that the accommodation is required and a letter of documentation from the ADAPTS office must be presented at the time of any request.

**Academic Honesty:** It is expected that all students are aware of their individual responsibilities under the Georgia Tech Academic Honor Code, which will be strictly adhered to in this class.

**Grades:** The usual ten-point scale will be used (A: 90-100, B: 80-89, C: 70-79, D: 60-69, F: 0-59), however, if necessary, adjustments will be made to arrive at a standard grade distribution. Grades will be based upon attendance, participation, and exams.

**Important Dates for Spring 2011:**

- January 10  First day of classes  
- January 14  Last day to make schedule changes without a “W” grade  
- January 17  School Holiday  
- March 4  Last day to drop or withdraw with a grade of “W”  
- March 16  Last day to withdraw from school with a grade of “W”  
- March 21 - 25  Spring Break  
- April 29  Last day of classes  
- May 6  Final Exam