

Syllabus for Math 325, Complex Analysis
MWF 11-12:20, Appleton 216, Spring 2009
Dr. Tamara Veenstra

Contact Information:

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Prerequisite: Grade of 1.7 or higher in MATH 321 (2.7 or higher strongly recommended).

Materials:

- Our text is *A first course in Complex Analysis with Applications* by Zill and Shanahan
- HW will be posted on my website and on blackboard and will not be given out in class.

Big Ideas of the course:

- Fun with complex numbers and explorations of real versus complex land
- Analytic functions and their properties
- Contour Integrals and Residues
- Transforms and Conformal Mappings

Grading: Your grade will be based on the following categories: participation and section homework (15%), chapter homework and quizzes (25%), and exams (60%).

Participation and Section Homework: There will be daily HW from each section. Sometimes this will be presented on the board and just checked for completion, and sometimes it will be collected and graded. Late HW will not be accepted.

Chapter Homework and Quizzes: Quizzes and Review questions from at the end of each chapter will be collected and graded. There will be at least one quiz per chapter. Late HW will be penalized. Make-up quizzes will not be allowed without advance approval.

Examinations: There will be 3 in-class examinations during the semester, and a comprehensive final exam. **The Office of the Registrar has scheduled the final examination for Saturday, April 18, 9-12.** No make-up exams will be given unless arranged prior to the exam.

Academic Honesty Policy: Academic honesty is expected of all students and any violations will be taken seriously. You should read this policy in the catalog and ask questions! You are encouraged to work together on problem sets, but the write-up should be your own.

First Homework Assignment Due Friday Jan 9

First HW Assignment: I will be at a conference on the first day of class, so there will not be class on Wednesday Jan 7. (I will be back for Friday.) However, **there is still a HW assignment due on Friday.** Read Section 1.1 and do 1.1(8,11,16,24,25,30,34,36, 40,44,45,46,49,52). This is an intro to complex numbers, which you have probably seen before, but still read the section carefully.