

**Math 4450: Introduction to Complex Variables, Fall 2002**  
**Text: Fundamentals of Complex Analysis for Math., Sci. and Eng., 2nd**  
**ed.**  
**by Saff & Snider**

**Section 1: MWF 11:00–11:50 ECCR 155**

**Professor:** Keith A. Kearnes      **Email:** kearnes@euclid.colorado.edu  
**Office:** Mathematics 233      **Phone:** 492–5203  
**Hours:** \_\_\_\_\_      **WWW:** <http://spot.colorado.edu/~kearnes>

**Course Description:** This is a basic course in complex analysis. We will study the complex number system, functions of a complex variable, and the differentiation and integration of functions of a complex variable. We will cover the first six chapters of the text and, if time permits, some parts of Chapter 7.

**Prerequisites:** Calculus 3 (Math 2400).

**Homework, Quizzes and Exams:** During the semester there will be regularly assigned homework, weekly quizzes, two one hour tests and a final exam. Your grade will be based on your homework scores, quiz scores, and exam results. These components of your grade will be weighted according to the following formula.

$$\text{Grade} = \text{HW}(15\%) + \text{Quiz}(20\%) + \text{T1}(20\%) + \text{T2}(20\%) + \text{F}(25\%).$$

Late work is not accepted. I will not give make-up quizzes, but I will not count your two lowest quiz scores.

**Grading:** You will be graded only on your written work. This work will be judged on the basis of correctness, completeness and legibility. Strings of formulas without explanation will not be accepted. Paragraph organization (where appropriate), complete sentences and correct punctuation are expected.

**Dates:**

HW/Quiz/Test:	Due Wednesday	Test 2:	November 6
Labor Day:	September 2	Thanksgiving:	November 28–29
Test 1:	October 2	Last Day:	December 12
Fall Break:	October 10–11	Final Exam:	December 13 (4:30pm)

**Getting Help:** Don't wait until it is too late if you need help. **Ask questions!** I am available during the office hours listed above and also at many other times. If you can't see me during office hours, then make an appointment with me to see me at a different time. I will also give short answers to questions sent by email.

**WWW:** Information concerning our class will be posted on my web page under **information for students**. A copy of any document I hand out in class will be accessible from this page.

**Classroom Behavior:** A new classroom behavior policy and associated new procedures have been adopted by the university. Details can be found at <http://www.colorado.edu/policies/classbehavior.html>

**Students with Disabilities:** Students with disabilities who qualify for academic accommodations must provide a letter from Disability Services (DS) and discuss specific needs with me, preferably during the first two weeks of class. DS determines accommodations based on documented disabilities (303-492-8671, Willard 322, <http://www.colorado.edu/sacs/disabilityservices>).

**Observance of Religious Holidays:** If, because of religious obligations, a student has a conflict with scheduled exams, assignments, or other required attendance, the student should notify me at least two weeks in advance of the conflict to request special accommodation. I will provide the opportunity for a makeup exam or an equivalent assignment, or arrange for an increased flexibility in assignment due date.

**Honor Code:** The new Student Honor Code system has now been implemented in all schools and colleges. Details can be found at <http://www.colorado.edu/academics/honorcode/>, <http://www.colorado.edu/policies/honor.html>, and <http://www.colorado.edu/policies/acadinteg.html>. Sanctions for honor violations may include: a failing grade for a particular assignment; a failing grade for a particular course; and/or suspension for various lengths of time or permanent expulsion from the university.

The university administration has asked faculty to provide very clear, explicit and detailed instructions about what constitutes plagiarism. In this course we will adhere to the definition drafted by the CU Law School: Plagiarism is the use of any written material which is submitted in a manner which purports or suggests that it is the work and effort of the person submitting it and that it was prepared by him or her as part or all of the task of completing the assignment, but which material is in substance the work of another or is material previously prepared by the student and which was previously submitted for, and which received, academic credit of any kind and the subsequent use of such material was not, in advance, specifically authorized by the faculty member for whom the work was being done.