Math 451  
Complex Analysis  
Spring 2010  
M/W 1:30 - 2:45 PM  
Bell Tower 1704

Instructor: Kathryn Leonard  
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Office hours: MW 3 - 4 PM  
by appt. (email me for (possibly same day!) appointments)


Course Objective: The goal of the course is for students to understand and be able to apply the fundamental concepts of complex analysis. Topics include algebra and geometry of complex numbers, complex functions, contour integration and Cauchy integral theorems. If time permits, we will also study Taylor and Laurent series and the residue theorem.

Grading:
- Class participation: 30%
- Coursework: 30%
- Take-home midterm: 20%
- Take-home final: 20%

Class participation is more than speaking in class. It means being actively engaged in the material, asking questions when you don’t understand something (by email or in office hours or in class), helping other students when possible, paying attention to the course instead of the internet. Attendance is an important first step toward participation. Each student will have two absences forgiven, but each two absences after that will decrease the class participation score by 1%. If you come to class with a curious intellect, and if you actively and enthusiastically participate in all activities, you should do well in the course.

Grades will be the standard $A = 90-100\%$, .... I will award ± grades as a discretionary measure only, to bump someone up for displaying desirable qualities (like showing great improvement during the semester) or to bump someone down for displaying undesirable qualities (like whining).

You are encouraged to work together, but be sure to acknowledge all collaborators and all outside references consulted.

Accommodations: If you need special accommodations, please contact 805.437.8528.

Course Schedule: All relevant course info, including the schedule, may be found on the course website, accessible via Blackboard or faculty.csuci.edu/kathryn.leonard/math451_10.html.
Academic Honesty

Work on exams must be your own.

At all other times, I strongly encourage you to collaborate. If someone helps you, give her or him the credit, and write your own explanation. Each member of every group is responsible for his or her own understanding of the work submitted.

All work that students submit as their own work must, in fact, be their own work. For example, if a paper presents ideas of others, it must clearly indicate the source. Word-for-word language taken from other sources books, papers, web sites, people, etc., must be placed in quotation marks and the source identified. Likewise, work on tests and exams must be the student’s own work, not copied or taken from other students’ work, and students must comply with instructions regarding use of books, notes, and other materials.

In accordance with the CSUCI policy on academic dishonesty, students in this course who submit the work of others as their own (plagiarize), cheat on tests and examinations, help other students cheat or plagiarize, or commit other acts of academic dishonesty will receive appropriate academic penalties, up to and including failing the course.

Papers with plagiarized ideas or language will be graded F and must be rewritten with proper use of quotations and referencing. The grade of F will remain the recorded grade on that assignment.

Plagiarism or cheating on tests and exams will result in an F on the test or exam, very likely resulting in a lower or possibly a failing final grade in the course. To complete course requirements, students must retake the test or exam during the instructors scheduled office hours.

In cases where the cheating or plagiarism was premeditated or planned, students may receive an F for the course.