Math 451: Complex Analysis, Spring 2014

Instructor: Brian Sittinger
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Office: Bell Tower 2840
Office Hours: MW 10:30 - 11:30 AM, and by appointment.
Class Times: TuTh 10:30 - 11:45 AM
Class Location: Manzanita 1142

Prerequisites: Math 240 and 250, or equivalent coursework.


Course Website: [http://faculty.csuci.edu/brian.sittinger/math451page.html](http://faculty.csuci.edu/brian.sittinger/math451page.html)
This may be also directly accessed through Blackboard (CI Learn).

Course Description from the Course Catalog: Topics include: Complex variable, analytic functions, complex integration, power series, and conformal mappings.

Learning Outcomes: Through this course, students will be able to

- Discuss the theoretical basis of the system of complex numbers.
- Apply complex functions to problem solving.
- Analyze complex functions in terms of continuity, differentiability, and integrability.
- Demonstrate application of complex analysis on an advanced level.
- Express concepts and techniques of complex analysis in oral and written form.

Grading: Grades will be determined as follows:

- Homework (20%)
- Two Exams (20% each)
- Final Exam (40%)
**Homework:** I will assign homework daily to be turned in on every Tuesday (unless otherwise stated) at the beginning of lecture. Make sure that your presentations are well-organised. If you use more than one sheet of paper, please write your name at the top of each sheet, and be sure to staple them all together. This will make my job to grade them much easier. No late homework will be accepted more than 2 weeks after the official due date, no exceptions!

**Exams:** The two exams will be given around the sixth and twelfth weeks of lecture. The final exam will take place on Thursday 15 May from 8 to 10 AM. Unless you have a genuine doctor’s note, you have to take the exams when they are given.

**Math 399:** Please sign up for Math 399 Section 4 or 9. Further instructions will be given in the lab.

**Academic Honesty:** Cheating and plagiarism will not be tolerated in this class. For information on the University’s policy, please read the University Catalog ("Policies and Regulations" section).

**Disability Statement:** Cal State Channel Islands is committed to equal educational opportunities for qualified students with disabilities in compliance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990. The mission of Disability Accommodation Services is to assist students with disabilities to realize their academic and personal potential. Students with physical, learning, or other disabilities are encouraged to contact the Disability Accommodation Services office at (805) 437-8510 for personal assistance and accommodations.

**Disclaimer Statement:** Information contained within this syllabus, other than that mandated by the University, may be subject to change with advance notice, as deemed appropriate by the instructor.