DEPARTMENT OF MATHEMATICS
California State University, Bakersfield
MATH 312 – Complex Variables

Instructor: Charles Lam
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Class times: MW 5:10-7:25pm, WSL 3

Office Hours: M3-5, T2-3:30, W10:30-12

Course Objectives:

(1) Understand complex numbers and their properties.
(2) Understand complex analytic functions.
(3) Study elementary complex functions.
(4) Perform integrals on complex numbers.
(5) Study power series over complex field.
(6) Understand residues and use the concept in applications.

Text (Reference): Complex Variables and Applications, by James Ward Brown and Ruel V. Churchill, any edition from 6th and after.

Web page: The web page for the course is at http://www.csub.edu/~clam/

Student Activity: Student Activity will be conducted approximately every other week. You are required to complete the student activity in groups of at most 4 and submit the completed work the week after.

Homework: Weekly homework will be given, you will have one week to finish homework. No late homework will be accepted.

Test Dates:

- Tests: April 27, Wednesday and June 1, Wednesday (tentative)

- Final Exam: June 10, Friday 5-7:30pm

Grading: A 50% in the final exam is required to obtain a final grade of D- or better. A 60% in the final exam is required to obtain a final grade of C- or better.

Student Activity (best 4)	40 points
Homework (best 8)	80 points
Midterm 1	60 points
Midterm 2	60 points
Final Exam	120 points
Total	**360 points**

Remarks:

- There will be no make-up exams or tests. If you know in advance that you are going to miss an exam, please make your arrangements with me at least one week ahead.

Academic Dishonesty:

You are encouraged to work with your classmates in labs and homework. However, YOU ARE REQUIRED TO HAND IN WORK WRITTEN BY YOURSELF. A rule of thumb is to destroy any evidence of discussion before writing up the solutions yourself.

If you collaborated with anyone, ACKNOWLEDGE COLLABORATORS. Please also note that, ACKNOWLEDGING YOUR FRIENDS ON THE CONTRIBUTION DOES NOT MEAN YOU HAVE THE RIGHT TO COPY OTHERS' WORK. YOU MUST WRITE THE SOLUTIONS IN YOUR OWN WORDS.

If you are caught cheating, the policy for this class is -10% to the final grade on the first offense, -20% for the second, and -50% thereafter.