Math 365 Course Information

Prerequisite A grade of C or better in either Math 232 or Math 261.

Required Text Complex Analysis for Mathematics and Engineering (5th Edition), by J. Mathews and R. Howell

Course Content Selected sections in Chapters 1-11 of the textbook.

Course Objective The ideas and results associated with the analysis of complex-valued numbers and functions are fundamental in areas as diverse as:

1. mathematical physics

2. applied mathematics

3. number theory.

In addition, it is an area of interest for its own sake. We will discuss some of the basic material associated with the theory of differentiable complex-valued functions. We will attempt to apply the theoretical results to the the study of transforms, solutions to partial differential equations, evaluation of improper integrals, and the general study of properties of functions.

Homework Policy Problems will be assigned regularly. At least two problems from each assignment will be graded. I encourage you to collaborate with each other when doing the homework problems; however, each person must hand in the solutions in his/her own writing and words. Furthermore, I must receive a hard copy of the assignment at the beginning of the class period in which it is due. I will not accept an electronic copy.

Make-up Policy There will be no make-ups for the homework problems. If you will not be in class the day the homework is due because of a prearranged conflict, it is your responsibility to get the assignment handed in to me before you leave.

There will be no make-up exam. If you miss the midterm, the score on the final will be substituted for the score of the missed exam.

Grading Policy Homework will be collected weekly, and a subset of the homework will be graded. There will be one midterm exam, and a final exam. The points will be distributed as follows:

	Homework	Midterm Exam	Final Exam	Total
Points	200	100	100	400

The distribution of grades is not determined until the end of the semester. In a typical situation, the final distribution of grades will determine the cutoff point for A's, B's, etc. I can guarantee, however, that if your class average is 93 or better, then you will receive an A for the course.

Attendance Policy Your attendance is not mandatory; however, your likelihood of doing well is directly proportional to the number of lectures that you attend. If you decide not to attend, that is your business, but please do not then expect me to be sympathetic to your pleas for help the day before a homework assignment is due.

Electronic Gadget Policy While you are free to use the technology of your choice while doing the homework problems, you will not be permitted to use any technology when taking in-class exams.

The classroom is a No Cell Phone Zone. You are not to use your cell phone to make phone calls, receive phone calls, or text message. Any violation of this policy will result in the deduction of three points from your final class average.