

COURSE INFORMATION Location: MTH 115
 Class Times: MWF 13:00 – 13:50
 Instructor: Dr. Karl Frinkle
 Office: MTH 112
 Office Hours: MWF 10:00 – 12:00, TR 12:30 – 14:00, or by appointment
 Office Phone: (580) 745 – 2028
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TEXT *Complex Analysis for Mathematics and Engineering* (6th edition), J. Matthews and R. Howell, ISBN # 9781449604455

COURSE OVERVIEW In this course, we will introduce ourselves to the fundamental concepts of the field of complex analysis. In particular, we will study, in depth, topics such as complex numbers; complex functions – including harmonic, and analytic functions; complex sequences and series – including Taylor and Laurent series; complex integration – including integrals, contour integrals, and residue theory; complex transformation and mappings – including Fourier and Laplace transforms. Other topics will be included, but the major emphasis will be on the aforementioned subjects.

COURSE OUTLINE See the *schedule.pdf* document for a day-to-day description of what we will cover.

POLICIES You will not be able to make up a quiz or test or receive credit for any other assignment which you missed the deadline for unless you notify me ahead of time. If you are going to miss a class, please let me know ahead of time, and I will ensure that you can take a quiz early, or make it up afterwards if one is to be given that day. The same goes for homework and projects.

Cheating will not be tolerated in any shape or form. If you are caught cheating, it will be reported to the appropriate academic offices, and appropriate action will be pursued.

All cell phones, pagers, CD/MP3 players, laptops, calculators and other such devices must be turned off and put away before class begins. It is also expected that everyone will behave in a kind and courteous manner towards fellow students and the instructor.

If you are caught using a cell phone or any other electronic device during class, your final grade will be dropped by **one letter grade per incident**.

I reserve the right to change any policies as I see fit to ensure that you are indeed receiving the best possible education that I can give you in the subject matter at hand. If I feel a certain aspect of the course does not appear to be effective in its method, I will attempt to change it (for the better I hope).

COURSE WORK You will be expected to read the material for each days lecture in advance. Reading quizzes will be given each day at the beginning of class over this material. See the document *schedule.pdf* document on the website for a breakdown on when we will cover specific sections. In addition to reading quizzes, there will be sometimes additional problems on these quizzes based on material we have already covered. Together, these quizzes count for 20% of your final grade.

Homework for each section will be assigned the day that we cover that section, and you will have

exactly one week to finish it. The problems for each section can be found in the *schedule.pdf* document. All of the homework assignments will add up to 20% of your final grade.

There is one mid-semester exam, which will be on Monday, February 27th, and will count worth 20% of your grade. There will also be a cumulative final exam, which will count for 30% of your final grade, and will be on Wednesday, May 9th, from 14:00 to 16:00.

GRADES

Your final grade will be based upon the following items

- 20% - Homework - to be handed in on a regular basis
- 20% - Reading/Problem Quizzes - given randomly, without warning
- 20% - Midterm Exam - exam covering all of the material from the first six chapters
- 30% - Final Exam - exam covering all of the material from the semester
- 10% - Class Participation - interaction during class

IMPORTANT DATES FOR SPRING 2012

- 2012.01.11 - Classes begin
- 2012.01.18 - Last day to enroll in or add classes
- 2012.01.18 - Last day to drop a class with no grade record
- 2012.01.18 - Last day to drop a class with refund/no charges
- 2012.03.09 - Last day to drop a class with automatic W
- 2012.03.30 - Last day to complete final application for graduation
- 2012.04.18 - Last day to drop a class
- 2012.05.11 - Classes end

SPECIAL ACCOMMODATIONS

Any student needing special accommodations due to a disability should contact the Coordinator of Student Disability Services, Student Union, Suite 204 or call (580) 745-2254 (TDD# 745-2704). It is the responsibility of each student to make an official request for accommodations to the Coordinator. For additional information, see the Americans with Disability Act on the Southeastern Online Learning website or <http://www.se.edu/ada/>