

M361, #55810
FALL 2014

Instructor

Dr. Eric O. Korman
Office: RLM 11.166
ekorman@math.utexas.edu
<http://www.ma.utexas.edu/users/ekorman>

Class times

The class meets Tuesdays and Thursdays 11am-12:30pm at GDC 2.210.

Course webpage

The main webpage for the course will be through canvas. I may also occasionally post things to my personal website at http://www.ma.utexas.edu/users/ekorman/teaching/361_fa14/

Office hours

Tuesdays 2pm-3pm and Thursdays 1pm-2pm.

Text

Required: *Complex Variables and Applications, 8th edition* by James Ward Brown and Ruel V. Churchill.

Optional: *Visual Complex Analysis* by Tristan Needham. This is a beautiful text that makes for great bedside reading. A copy will (eventually) be on reserve at the PMA library.

Material

Algebra and geometry of the complex numbers and complex plane, complex differentiation, complex integration, Laurent series, Taylor's theorem, Cauchy's theorem, residue theorem, applications to real integrals.

Grading

Homework/inclass exercises:	20%
Midterm 1:	25%
Midterm 2:	25%
Final:	30%

The distribution of letter grades will be:

90%-100% = A
80%-89% = B
70%-79% = C
60%-69% = D
≤ 59% = F.

There may be a curve (and if there is one, it can only help you). Plus and minuses will be given out at my discretion.

Exams

Midterm 1: **October 9, 2014**
Midterm 2: **November 13, 2014**
Final: **December 13, 2014.**

No calculators or notes will be allowed in any of the exams.

Homework and in-class assignments

There will be weekly homework assignments. These will usually be assigned on Thursdays and due in class on the following Thursday.

You are allowed to work on the problems with other students but you must write up your own solutions. You must show your work and since this is an upper-level course I expect your solutions to be clear and well-written. Occasionally I may assign problems to be discussed in class with your classmates. The two lowest homework scores will be dropped.

Makeup policy

Absolutely no late homeworks will be accepted. This is made up for by the policy of dropping the two lowest homework scores. Similarly, there will be no makeup exams.

Honor code

The class will be governed by the University of Texas at Austin Honor Code:
<http://www.utexas.edu/about-ut/mission-core-purpose-honor-code>.

Documented Disability Statement

Any student with a documented disability who requires academic accommodations should contact Services for Students with Disabilities (SSD) at (512) 471-6259 (voice) or 1-866-329-3986 (video phone). Faculty are not required to provide accommodations without an official accommodation letter from SSD. See SSDs website for more disability-related information:
<http://ddce.utexas.edu/disability/>.

Religious holidays

We have tried to schedule major class events to avoid religious holidays, and we apologize if we overlooked something. Please let me know if an assignment or exam conflicts with a religious holiday.