Instructor
Dr. Eric O. Korman
Office: RLM 11.166
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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/

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

Text

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:

\[
egin{align*}
90\%-100\% &= A \\
80\%-89\% &= B \\
70\%-79\% &= C \\
60\%-69\% &= D \\
\leq 59\% &= F.
\end{align*}
\]

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](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/](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.