Midterm 1

The exam begins at 7:15 pm on Monday, September 24.

- Please be there at least ten minutes early. We will start on time.
- You may stay until 8:30 pm.
- You must bring your University ID.
- There are no discussion sections on Tuesday, September 25.

Seating Assignments:

Everyone in Math 231 (lectures AL1, AL2, AL3, i.e. non-engineering sections) will take the midterm exam in the Foellinger Auditorium. Students will be split by sections.

- **Foellinger Main Floor:**
  - pdf of Seating Chart Main Floor
  - Sections ADC, ADE, ADI, ADJ, ADK, ADN, ADP, ADT, ADU, ADV
  - If your TA is Emily, Lan, Nikolas, Benjamin, or Jenna

- **Foellinger Balcony:**
  - pdf of Seating Chart Balcony
  - Sections AD1, AD2, ADA, ADB, ADD, ADF, AGD, ADH, ADR
  - If your TA is Robert, Ramon, Chi, Dakota, Chloe, Christopher, or Malik
## Conflict exams

- If you have a conflict with Midterm 1, please read the university policy on evening midterm exams.
- If your conflict is with an exam for another class, then that class must also offer a conflict exam. You can choose which conflict you wish to take.
- The Conflict Midterm 1 for Math 231 will start at 8AM on Tuesday, September 25.
- To request a Math 231 conflict exam, please fill in the [Midterm 1 Conflict Request Form](#) by Monday, September 17.
- We will email you by Wednesday, September 19, with the information whether your request was approved or not.
- The conflict exam will be held at **8:00 AM on Tuesday** (9/25) in **1024 Chemistry Annex**.

### Basic information

- The exam covers all material from Lecture 1 through Lecture 7 on the [schedule](#).
- Part of the exam will be multiple choice. Bring #2 pencils.
- You are responsible for all topics covered in homework, lectures, and discussion section worksheets.
- You are responsible for all topics in the text which have been mentioned in class.
- See the [schedule of topics covered](#), along with links to worksheets, announcements and so on, at the [course web site](#).

- **These trig identities** will be provided.
- No notes or extra papers are allowed.
- No phones, calculators, iPods or electronic devices of any kind are allowed for ANY reason, including checking the time. You may use a simple wristwatch.
- Any act of academic dishonesty will be dealt with under the student code of conduct. These include
  - Looking at another student's paper.
  - Using electronic devices or extra papers.
  - Communicating with other students.
  - Working on the exam after time has been called.

### Studying

Here is a list of major topics which have been covered.

1. Integration by parts
2. Trig integrals
3. Trig substitutions
4. Integration by partial fractions
5. Strategy for integration
6. Improper integrals
7. Approximate integration, Arc length

- Of course, you must also be familiar with prerequisite material (for example, integration by substitution).
- Be aware of material which was stressed in the lectures.
- Be sure that you understand all of the assigned homework problems, quiz problems, and worksheet problems.

Then do new problems.

For homework problems, you can do nearby problems from the textbook. The chapter review sections are another good source. Check your answers to odd-numbered problems in the back of the book, or in your Student Solution Manual. Be strict with yourself about whether you got a correct answer, and whether you knew what you were doing.

### Additional practice exam problems

- A large number of additional practice problems are listed on the assignments page.
  - Do these as necessary.
  - You may check solutions in the student solution manual.

- There will be a large set of optional practice problems from Section 7.5, Section 7.8 and the chapter review available through webassign
  - These will not be graded.

- Some sample problems from the first midterms of previous versions of this course are available.
  - Solutions are available.
  - This is not a comprehensive list of problems.
  - This is not a complete study guide.

- Review Sheet 1 + solutions (prepared by Erin Caufield)
- Review Sheet 2 + solutions (prepared by Itziar Ochoa)
- Practice exam: Fall 2017 Midterm 1
• This exam was not written by us. We are not responsible for any typos or errors in it. The exam is provided for your reference, and does not necessarily reflect what will appear in our midterm.
• Best practice: wait till you feel comfortable with all topics included in the exam, print out the exam, give yourself 75 minutes in a quiet place and pretend this is the actual exam. Do not look at solutions before you finish the entire exam.
• Solutions are posted here.