

Math 107, Spring 2015: Midterm I Logistics

Time and Place

The first midterm exam will take place on Monday 2 March. It will be 50 minutes long, starting *promptly* at 10am, and 11am, respectively.

For the 10am lecture:

If you are in **section 1**, namely if Diego is your TA, you will be taking the exam in **Krieger 308**.

If you are in **section 2 or 3 or 4**, namely if Alex, or Kenny, or Caleb is your TA, you will be taking the exam in **our classroom, Krieger 205**.

For the 11am lecture:

If you are in **section 6 or 7**, namely if Chenyun is your TA, you will be taking the exam in **Shaffer 301**.

If you are in **section 5 or 8**, namely if Junyan is your TA, you will be taking the exam in **our classroom, Krieger 205**.

There needs to be at least one empty seat between any two students. Please make sure to sit one seat apart from the beginning so that we don't have to move you and waste time with this.

Students needing **special accommodations** need to put in a request through AIM to take the exam at the office for student disability services. They will be taking the exam at their office in Garland at the same time with everyone else.

Absences

If you have an **unexcused absence** from the exam you will get a **score of 0**.

If you have an **excused absence** (such as a documented illness, for example), you will be excused from this exam and the future exams will be weighted more so as to account for the one you missed.

If you think you have an excuse, you have to tell me ASAP to make sure that your excuse is acceptable. If you tell me later after you've missed the exam that you had an excuse it will be harder to verify and document it and you will run the risk of being stuck with score of 0.

The exam

You will *not* be allowed to use a calculator, your phone, devices, notes or books of any kind.

The following set of instructions will appear on the first page; you can familiarize yourself with them. Note that one thing that will for sure be on the exam is **your section number and the name of your TA**. If you somehow don't know this by now, make sure you know it by Monday.

Math 107: Calculus II, Spring 2014: Midterm Exam I Monday, March 2 2015

Give your **name**, TA and section number:

Name:

TA:

Section number:

1. There are x questions for a total of 100 points. The value of each part of each question is stated.
2. **Do not open your booklet until told to begin.** The exam will be 50 minutes long.
3. You may **not** use calculators, phones, books, notes or any other paper. Write all your answers on this booklet. If you need more space, you can use the back of the pages.
4. **Unless specified otherwise, you must show ALL your working and explain your answers clearly to obtain full credit!**
5. **Read the questions carefully!** Make sure you understand what each question asks of you.

Please read the following statement and then sign and date it:

"I agree to complete this exam without unauthorized assistance from any person, materials, or device."

Signature:

Date:

Some comments

I will not give you any “proofs” of general concepts to do. However, in most questions you will have to show all your work, so in a sense each example is a “mini proof” of something.

For example,

- If I ask you to decide if a given integral is divergent or convergent and you use the comparison test for it, you have to write out all the steps, so you are in a sense doing a proof that the given integral is convergent or divergent.
- If I ask you to compute an improper integral, and you find it converges to something or diverges, when you write out the steps starting with the definition of the given integral as a limit and getting to the answer, you are proving that it converges to whatever number or that it diverges.
- If I ask you to compute a probability and you use Bayes’s theorem or other concepts that we used to get to the answer, you are again “proving” that the answer is what it is.
- If I ask you if two events are independent or not, and you have to show your work of how you get the answer, then you have to verify from the definition of independent events whether the ones from your example satisfy the definition or not.

In order to get **full credit**, you will have to **show how you got the answer**. The answer can be yes/no (in a question such as- is this integral divergent or convergent, or are these events dependent or independent), or it can be a numerical answer (in a question such as- compute this integral, or what is the probability that...). But if the question says “**Show all your work**”, then saying yes/ no, or giving a numerical answer is not enough. You need to **show** how you got the answer.

Note. There will be one True/False question on the exam, where you will not have to show any work or give any justification. That will be clearly stated in the question.

If you have any questions or concerns, please do not hesitate to ask me on Friday or to email me.