

Math 124 - Fall 2016 Final Exam Information

Our final exam will be in our usual classroom (Perkins 107) on Monday December 12, from 10:30am to 1:15pm. This is a University-scheduled final exam and schedule changes will only be accommodated under very special circumstances. If you must miss the final exam, please note UVM's Final Exam University policy:

Students who are absent from a final exam for any reason must report that fact and the reason, in writing¹, to their instructor **within 24 hours**. If the absence is due to any situation beyond the reasonable control of the student (e.g., illness or family tragedy), the instructor must provide the student with the opportunity to complete the course requirements. At the instructor's discretion, this may be an exam or some other suitable project. The instructor may require evidence in support of the student's reason for absence.

The exam is cumulative, although it will focus on the material covered in class between November 18 and December 7, inclusively. There will not be a change of basis problem on the final exam. Please see the facts below for a more precise breakdown of the points by chapter of the book.

There will be assigned seating for the final exam. Please come at least five minutes early to find your assigned seat.

Please read these instructions carefully, as not heeding them will constitute a breach of the UVM Code of Academic Integrity:

- You may not use a calculator or any notes or book during the exam.
- You may not access your cell phone during the exam for any reason; if you think that you will want to check the time please wear a watch.
- The work you present must be your own.
- Finally, you will more generally be bound by the UVM Code of Academic Integrity, with which you should familiarize yourself if you haven't already.

You will be asked to acknowledge that you have read these instructions on the first page of the exam.

For each problem, you should write down all of your work carefully and legibly to receive full credit. For each question, you should use theorems and/or mathematical reasoning to support your answer, as appropriate.

Facts about the final exam:

- On the exam there will not be any numbers less than -15 or greater than 15 . There might be some fractions but the denominators will not be larger than 5 . This might not be the case for the practice exam.
- 10% of the exam will be about Chapter One, 40% of the exam will be about Chapter Two, 35% of the exam will be about Chapter Three, 5% of the exam will be about Chapter Four, and 10% of the exam will be about Chapter Five.
- The very vast majority of the exam problems will be exactly identical to or significantly similar to either
 - i. a suggested problem assigned between November 18 and December 7, inclusively (Note that there was a typo on November 18. In Section Three.IV, problem 1.8 is assigned, not 1.18.);

¹Email is fine.

- ii. a homework problem (Remember that you were promised that a question from Homework 3 would appear on the final exam. Questions from other homework sets may appear as well.);
- iii. a problem from the practice final exam;
- iv. a problem from Exam 1 or Exam 2 (our actual in-class exams).

Solutions to all of these problems can be found either in the solutions manual for our textbook or they will be posted online on our course website.

- To study, you should spend a large amount of time pretending like you do not have access to solutions. Struggling with the problems is the only way to learn. You should only look at the solutions after spending at least three separate ten-minute periods thinking about a problem.
- This goes double for the practice exam. You should solve it like a real exam (i.e. without the solutions!) and force yourself to sit with it for the full length of it, even if you think you cannot answer any more questions.
- The recommended sitting time for the practice final exam (2 hours 30 minutes) is a bit shorter than the actual time you will have on the exam, but you should still aim to be comfortable solving these problems in that amount of time. Our final exam will be approximately the same length as the practice final exam.
- You will not be asked to state definitions on the final exam.

You will not be given any formulae for the exam.