

Announcements for Midterm Exam

The midterm will be **Friday, May 7**, as previously announced, in our usual lecture room.

Conditions:

50 minutes long, 50 points

Closed book.

Calculators permitted, except those that can do “modular arithmetic”

Format of exam:

Five problems, each for 10 points. One will consist of several short-answer parts. No bluebooks needed.

Coverage:

Lectures through Friday, April 30.

Homework through Assignment #4.

Text Ch. 2; Ch. 3A-C; Ch. 4A-C¹; Ch. 5; Ch. 6; Ch. 9A-C and some of 9E; Ch. 8.

In general: All topics mentioned in lectures and homework problems.

Theorems whose proofs you should know especially: $\sqrt{2}$ is irrational; there are infinitely many primes; which elements of $\mathbf{Z}/m\mathbf{Z}$ are units; Fermat’s little theorem.

Review:

In class as part of lecture on Wednesday, May 5.

Office Hours for midterm week: Monday 12:30-1:30 as usual; Wednesday 1:00-2:00; Thursday 11:00-12:00 and 1:30-2:30.

¹except that we did lcm’s and Fermat primes more lightly