

Math 112: Studies in Mathematics

Section 20, Fall 2011

Instructor: Kathryn Mann

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Office hours: Monday 4-5 pm and Tuesday 11 am-12 noon

About this class

Math 112 is an introduction to Number Theory and, more importantly, to mathematical thinking. Our goal is to learn how to approach and solve problems like the mathematicians do.

Tutorial sessions: Tutorial sessions will be held twice weekly, on Tuesdays and Thursdays. You will be assigned to a section and a tutor, and notified of the meeting time during the first week. Attendance in tutorial sessions is mandatory.

Text: Course notes for math 112, available for \$20 *cash only* in Stephanie Walthes office, E211. Her office hours are 9:30 - noon and 1:30 - 4:30, Monday through Friday.

Course policy: There will be two in-class hour-long exams and a final exam. There will be reading assigned for some (not all) lectures, and homework sets due each week on Monday at the *beginning* of class. Homework assignments will be posted on the course Chalk website two class periods in advance, and reading will be assigned during lectures.

Homework can be handed in up to one class late for *half-credit*. Note: if you are late to class on Monday, your homework is considered late. Homework that is more than one class late will not be graded. You are encouraged to work on homework together and/or in tutorial, but you must write up your own solutions. Plagiarism and copying are not tolerated. Doing your homework thoughtfully and carefully is the best way to ensure you understand the course material and succeed on the exam.

The **grading** is as follows:

Homework:	10%
Hour exams:	25% each
Final Exam:	40%

Final exam policy: It is the policy of the Department of Mathematics that the following rules apply to final exams in all undergraduate mathematics courses:

1. The final exam must occur at the time and place designated on the College Final Exam Schedule. In particular, no final examinations may be given during the tenth week of the quarter, except in the case of graduating seniors.
2. Any student who wishes to depart from the scheduled final exam time for the course must receive permission from Paul Sally (office: Ryerson 350, e-mail: sally@math.uchicago.edu). Instructors are not permitted to excuse students from the scheduled time of the final exam except in the case of an Incomplete.

Chalk: All homework assignments will be available through the Chalk system (<http://chalk.uchicago.edu>). If you are not officially registered for this class, you should contact the instructor immediately to get access to the Chalk site for the course.

Important Dates

First hour exam: Wednesday, October 19 (4th week), in class.

Second hour exam: Monday, November 14 (8th week), in class.

Final exam: Wednesday, December 7, 8:00 - 10:00 am. (to be confirmed later)