

# Math 113: Studies in Mathematics

## Section 20, Winter 2012

**Instructor:** Kathryn Mann  
**Office:** Jones 212  
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**Office hours:** To be determined

### About this class

Math 113 is an introduction to modern geometry. We study patterns, symmetries, and groups of symmetries, and a little bit of graph theory. Our goal in studying this material is to learn what makes a good mathematical question in geometry, and how to ask (and answer) one.

**Tutorial sessions:** Tutorial sessions will be held twice weekly, on Tuesdays and Thursdays. Attendance in tutorial sessions is mandatory.

**Text:** Course notes for math 113, available for \$20 *cash only* in Stephanie Walther's office, E211. Her office hours are typically 9:30 - noon and 1:30 - 4:30, Monday through Friday.

**Homework** Is due at the beginning of class each Monday, and is posted on Chalk two periods in advance. It 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.

**Evaluation and grading** :

- Homework: 10%
- Midterm exam: 30%
- Major hand-in assignment: 10%
- Quizzes (in tutorial): 10%
- 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

Midterm exam: Wednesday, February 1 (5th week), in class.

Quizzes: Tuesday, January 24 and Tuesday February 28.

Major assignment due: likely during 7th week.

Final exam: Friday, March 16, 8:00 - 10:00 am. (to be confirmed by the department)