Greetings. Welcome to the final course in OSU’s mathematics sequence for future middle school mathematics teachers! This is a capstone course that revisits the topics of the previous five mathematics courses in the program for Middle School Mathematics Teachers, but this time from the perspective of the history of mathematics. It is our hope that the materials you use in this sequence will become important resources in mathematics for you throughout your professional life.

Grading. Your grades will be based on the following:

- 5% for quizzes.
- 15% for the class project/presentation.
- 40% for homework.
- 40% for exams.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage Range</th>
<th>Letter</th>
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<tbody>
<tr>
<td>A</td>
<td>90%–93%</td>
<td>100%–93%</td>
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<tr>
<td>A−</td>
<td>89%–87%</td>
<td>92%–90%</td>
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<tr>
<td>B</td>
<td>79%–77%</td>
<td>86%–83%</td>
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<tr>
<td>B−</td>
<td>72%–70%</td>
<td>82%–80%</td>
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<td>C</td>
<td>69%–67%</td>
<td>76%–73%</td>
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<td>C−</td>
<td>59%–0%</td>
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<td>D</td>
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<td>D−</td>
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</tbody>
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You can check your grades at anytime using Carmen. Check out:

http://carmen.osu.edu/

As grades are posted, you have exactly 2 weeks from the posting date to notify me concerning any errors or irregularities in Carmen.

Quizzes. There will be two types of quizzes, announced and unannounced. Announced quizzes will generally be given on the first day of the week. The questions on the quizzes will be based on the required reading assignments. Unannounced quizzes will be held at Bart Snapp’s discretion.

Homework. The previous week’s homework is due on the first day of the next week.

Class project. Each student will do one class project that will count for 15% of the final grade.
Exams/Final. The first exam is scheduled for Monday, February 25th. The second exam is scheduled for Monday, April 1st.

- The final is on the last day of class Monday, April 22nd.

Students with Disabilities. Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated, and should inform the instructor as soon as possible of their needs. The Office for Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue; telephone (614) 292-3307 and VRS (614) 429-1334; webpage: http://www.ods.ohio-state.edu

Academic Misconduct Statement. It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term academic misconduct includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee. For additional information, see the Code of Student Conduct: http://studentaffairs.osu.edu/resource_csc.asp

Tentative Course Overview. We will attempt to follow the order of the first 60 pages of the text:

Week 1: Read pages 1–14.
  Sketch 7. Measuring the Circle: #1.

Week 2: Read pages 14–24.
  Sketch 9. Linear Thinking: #1.
  Sketch 12. A Cheerful Fact: 4a–4d.

  Sketch 15. In Perfect Shape: 7 (just the cube).

Week 4: Read pages 28–32.
  Sketch 10. A Square and Things: #3.
  Sketch 11. Intrigue in Renaissance Italy: #4.

Week 5: Read pages 32–37.
  Sketch 17. Impossible, Imaginary, Useful: #1.
  Sketch 19. Strange New Worlds: #2, 3.

Week 6: Read pages 37–42
  Sketch 16. Shapes by the Numbers: #1, 2.
Sketch 20. In the Eye of the Beholder: #2.

Week 7: Study for Exam 1.

Week 8: Read pages 42–47.
   Sketch 21. What’s in a Game? TBA.

Week 9: Read pages 47–53.
   Sketch 25. Beyond Counting: TBA.
   Sketch 22. Making Sense of Data: TBA.

SPRING BREAK

Week 10: Read pages 53–60.
   Sketch 23. Machines that Think? #3a–3b.

Week 11: No more reading! Study for Exam 2.

Week 12: Student Presentations.

Week 13: Student Presentations.

Week 14: Student Presentations.