

**MATH 201 Course Schedule (All Sections)  
Spring 2012**

Week 1, Week of January 17

Monday, January 16: Martin Luther King Day, no classes

Introduction of course syllabus and course materials

In the textbook, mark Selected Answers for Learning Exercises on pages A-1 to A-45

The **Computational Assessment** will be given on the first class session of Week 3.

In preparation for the Computational Assessment, review and work through Appendix A of your textbook, "A Review of Some Rules," on pages APP-1 to APP-13.

Download a copy of the Practice Computational Assessment (and answers) from the course web page

(<http://www.math.niu.edu/courses/math201>). Complete the practice assessment after working through Appendix A.

Section 12.3

Assignment: Read "Message to Prospective and Practicing Teachers" at the beginning of your textbook Assignment: Learning Exercises for Section 12.3 #1, 2, 3 (parts a, b), 4 (parts a, d)
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Begin Section 12.4

<b>Assignment: Make one copy of the Isometric Dot Paper in the Masters section at the back of the textbook for use with Section 16.1.</b> <b>Assignment: In Section 16.2, complete Activity 3 Fold Them Up (preliminary homework activity). Find the nets in Masters section at the back of the textbook. Make one copy of the nets labeled A through G, I, N, and O. Cut out the copies and construct the polyhedra. These polyhedra and a container to hold them are needed in Week 3. Note: This is a class requirement. (It is not optional.)</b>
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Week 2, Week of January 23

Section 12.4 and Learning Exercises for Section 12.4 #3, 4, 7, 9, 12 (parts a, b), 20

Assignment: Learning Exercises for Section 12.4 #1, 2, 5, 6, 8, 10, 12 (parts c, d, e) Assignment: 12.7 Check Yourself #5-9
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Section 13.2

Assignment: Learning Exercises for Section 13.2 #1, 3, 4, 5, 10 Assignment: 13.6 Check Yourself #4-8
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Section 14.4 and Learning Exercises for Section 14.4 #1, 2

Assignment: Learning Exercises for Section 14.4 #6, 7, 8 Assignment: 14.6 Check Yourself #3-5 <b>Reminder: The Computational Assessment will be given during the first class session next week.</b>
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**Quiz 1**

Week 3, Week of January 30

**Computational Assessment (1/2 hour maximum)**

Section 16.1

Assignment: Learning Exercises for Section 16.1 #1, 2, 3, 4, 5, 6 <b>Reminder: The Computational Assessment will be given during the first class session next week.</b>
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Section 16.2

Assignment: Learning Exercises for Section 16.2 #1, 2, 6, 7, 9, 13 Assignment: 16.7 Check Yourself #1-4 Assignment: Read pages 397-402. <b>Study the definitions for all terms.</b> Assignment: Read pages 411-414. <b>Study the definitions for all terms.</b>
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Section 17.1, Learning Exercises for Section 17.1 #11, 12, and begin Section 17.2

Assignment: Learning Exercises for Section 17.1 #1, 2, 5 (part a), 6, 14, 15, 20, 21

Assignment: Learning Exercises for Section 17.2 #1, 2, 4

**Reminder: Exam 1 will be given during your last class session next week.**

## Quiz 2

Week 4, Week of February 6

Section 17.2, Section 17.3, and Learning Exercises for Section 17.3 #1, 2

Section 23.1 and Learning Exercises for Section 23.1 #1, 2, 6, 7, 12, 16

Assignment: Learning Exercises for Section 23.1 #5, 11, 15, 18, 22

Assignment: Read pages 528-532

Assignment: Read Appendix D "Using a Protractor to Measure Angle Size" on pages APP21-APP22

**Assignment: Bring a protractor to class next week.**

## Exam 1

Week 5, Week of February 13

Learning Exercises for Section 23.2 #1, 2, 5, 6 (parts a-d), 9, 13, 21, 22, 23, 24 (first diagram)

Assignment: Learning Exercises for Section 23.2 #12, 14, 25 (parts b, c, e, f), 30, 35, 39 and 23.4 Check Yourself, all items

Section 24.1 (Exclude Discussion 4 and Example 2), Learning Exercises for Section 24.1 #11, 12 (parts a, b, h, j) and

Section 24.2 (End with Discussion 7), Learning Exercises for Section 24.2 #14 (part a), 17

Assignment: Learning Exercises for Section 24.1 #3, 7, 12 (parts c, d, e, f, g), 16, 17, 21, 26, 28

Assignment: Learning Exercises for Section 24.2 #1, 2, 13, 14 (parts b and c), and 24.4 Check Yourself, all items

## Quiz 3

Week 6, Week of February 20

Section 25.1 (Exclude sphere), Learning Exercises for Section 25.1 #5, 16 (part a), 18 (parts a, c, e, g, *iii* for c, e, and g), 19 and Section 25.2 (Exclude sphere and Example 3)

Assignment: Learning Exercises for Section 25.1 #1, 2, 10, 13, 14, 15, 16 (part b), 18 (parts b, d, h)

Assignment: Learning Exercises for Section 25.2 #1, 2, 5 (parts a, c) and 25.4 Check Yourself, all items

Section 26.1 (Exclude Examples 2 and 3 and Activity 2), Learning Exercises for Section 26.1 #1, 2, 14

Assignment: Learning Exercises for Section 26.1 #3, 8, 10, 18 and 26.3 Check Yourself, #1

**Assignment: In Appendix G, make a copy of the base four materials, cut them out, and put them in a zip lock bag. Label the bag "Base four." Do the same for base five and base ten pieces. These materials will be used in Section 2.4. Note: This is a class requirement. (It is not optional.)**

## Quiz 4

Week 7, Week of February 27

Section 2.1, Section 2.2, and Learning Exercises for Section 2.2 #1

Assignment: Learning Exercises for Section 2.1 #1, 2, 4, 5, 6  
Assignment: Learning Exercises for Section 2.2 #2, 3, 4, 5, 7, 8, 9

Section 2.3 (Exclude Activity 4) and Section 2.4

Assignment: Learning Exercises for Section 2.3 #2, 3 (parts a, b, c), 5 (parts a, b), 9, 16, 17 (part b), 18 (parts a, c)  
Assignment: Learning Exercises for Section 2.4 #2 (parts a, c, d), 4 (part a), 5 (part c), 6, 7 (parts a, b), 8 (parts a, b) and 2.6 Check Yourself #2, 4, 7, 8

Section 3.2 (Exclude Activity 4 and Discussion 1) and Section 3.4 (Exclude Activity 9, but include the discussion of the commutative and associative properties)

Assignment: Learning Exercises for Section 3.2 #2 (part a), 3  
Assignment: Learning Exercises for Section 3.4 #1, 3, 4, 5, 8, 9, 10  
**Reminder: Exam 2 will be given during your last class session next week.**

**Quiz 5**

Week 8, Week of March 5

Section 3.5 and Learning Exercises for Section 3.5 #2, 4, 6, 10

Reminder: Exam 2 will be given during the last class session this week.

Section 4.1 and Learning Exercises for Section 4.1 #1 (parts a, b), 5

Assignment: 3.8 Check Yourself #4, 7  
Assignment: 4.3 Check Yourself #1, 2, 3

**Exam 2**

*Spring Break, Week of March 12*

Week 9, Week of March 19

Chapter 6 introduction, Section 6.1, Learning Exercises for Section 6.1 #22, and Section 6.2

Assignment: Learning Exercises for Section 6.1 #2, 3, 8, 10 (part a), 11, 13, 19, 21  
Assignment: Learning Exercises for Section 6.2 #1, 5 (parts a-d), 6

Section 6.3, Section 6.4, Learning Exercises for Section 6.4 #5, 12, 17; begin Section 7.1

Assignment: Learning Exercises for Section 6.3 #1, 2 (parts a-e), 3, 4 (parts a-c), 8, 9, 10 (parts a, b)  
Assignment: Learning Exercises for Section 6.4 #1-4, 6, 9-12, 16, 17 and 6.6 Check Yourself, all items

**Quiz 6**

Week 10, Week of March 26

Section 7.1, Section 7.2, Learning Exercises for Section 7.2 #8, 9

Assignment: Learning Exercises for Section 7.1 #2, 3, 8, 10, 15  
Assignment: Learning Exercises for Section 7.2 #1, 2, 5, 6, 12 (parts a, b), 15 (parts a, b), 18

Section 7.3

Assignment: Learning Exercises for Section 7.3 #1, 4, 5, 6, 7, 11, 13, 14 (exclude part d) and 7.5 Check Yourself, all items

**Quiz 7**

Week 11, Week of April 2

Section 9.2 (Exclude Activity 3) and Learning Exercises for Section 9.2 #16-19

Assignment: Learning Exercises for Section 9.2 #1, 2 (parts a, b), 5, 8, 9, 11, 12, 13

Section 9.3 and Learning Exercises for Section 9.3 #5, 6, 8, 11, 15

Assignment: Learning Exercises for Section 9.3 #1, 2, 4 (parts a, b, c), 9, 14, 16, 20, 21 and 9.6 Check Yourself #1, 3-9, 11

**Reminder: Exam 3 will be given during the last class session next week.**

**Quiz 8**

Week 12, Week of April 9

Section 10.1 and begin Section 10.2

Assignment: Learning Exercises for Section 10.1 #1, 2, 3, 4, 6, 9

Reminder: Exam 3 will be given during the last class session this week.

Section 10.2 and 10.3

Assignment: Learning Exercises for Section 10.2 #1, 3, 6

Assignment: Learning Exercises for Section 10.3 #3, 4, 7, 8 and 10.6 Check Yourself #1-5, 7

**Exam 3**

Week 13, Week of April 16

Section 27.2 and Learning Exercises for Section 27.2 #3, 4, 5, 6, 12, 13

Assignment: Learning Exercises for Section 27.2 #7, 9, 14, 16, 19

Section 27.3 and Learning Exercises for Section 27.3 #1, 2

Assignment: Learning Exercises for Section 27.3 #5, 6 and 27.5 Check Yourself #2-10

**Quiz 9**

Week 14, Week of April 23

Section 28.1, Learning Exercises for Section 28.1 #2, 3 and Section 29.1

Assignment: Learning Exercises for Section 28.1 #7, 8

Assignment: Learning Exercises for Section 29.1 #2, 3

**Quiz 10**

Week 15, Week of April 30

Section 30.1, Learning Exercises for Section 30.1 #1, 7, Section 30.3, and Learning Exercises for Section 30.3 #2, 3, 7

Assignment: Learning Exercises for Section 30.1 #6, 8

Assignment: Learning Exercises for Section 30.3 #6, 16, 17

**Quiz 11**

Section 30.4, Learning Exercises for Section 30.4 #4, 15, 16, Section 30.5, and Learning Exercises for Section 30.5 #2

Assignment: Look over all quizzes and exams in preparation for the final exam review

Review for Final Exam

**Final Exam is on Thursday, May 10, 2012 from 8-9:50 AM  
Location to be announced**