This is the MATH 201 Fall 2017 course schedule which lists weekly assignments and course materials. In the textbook, you will find Selected Answers for Learning Exercises on pages ANS-1 to ANS-36.

The Computational Assessment will be given on the first class session of Week 3. In preparation for it:
- **Review and work through** Appendix F, “A Review of Some Rules” which is found on the textbook website: http://www.macmillanlearning.com/Catalog/studentresources/reconceptmath2e. On the right side of the page, click on Web Appendices, then on the left side of the page, click on Web Appendices. Select Appendix F.
- **Complete** the Practice Computational Assessment for Week 2. You will find the Practice Computational Assessment (and answers) on the course web page: http://www.math.niu.edu/courses/math201

**Please note the following upcoming assignments. All of these are class requirements. (They are not optional.)**

Assignment to be ready for **Week 2**
- **Read** Section 16.1 pages 401–405 and Section 16.3 pages 413–415. **Study** the definition+
- **ns** for all terms. Electronic flashcards are found on the textbook website: http://www.macmillanlearning.com/Catalog/studentresources/reconceptmath2e. On the right side of the page, click on Flashcards, then on the left side of the page, click on the chapter (in this case Chapter 16).

Assignment to be ready for **Week 3**
- **In Section 17.2,** complete Activity 3 Fold Them Up (preliminary homework activity). 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 for use with Section 17.2. The nets are found in the Masters section at the back of the textbook and on the textbook website: http://www.macmillanlearning.com/Catalog/studentresources/reconceptmath2e. On the right side of the page, click on Printable Manipulatives, then on the left side of the page, scroll down and click on Nets.

**Week 1, beginning August 28**

Section 12.2 (Numerical Patterns and Algebra)

| Assignment: Read “Message to Prospective and Practicing Teachers” at the beginning of your textbook |
| Assignment: Learning Exercises for Section 12.2 #1, 2, 3 (parts a and b) |

Section 12.3 (Functions and Algebra) through Example 20 and Learning Exercises for Section 12.3 #3, 4, 7, 9, 19

| Assignment: Learning Exercises for Section 12.3 #1, 2, 5, 8, 10 |
| Assignment: Section 12.7 Check Yourself #5-8 |

**Quiz 1**

**Week 2, beginning September 5 [Note: September 4 is Labor Day—No classes at NIU]**

Section 13.2 (Slope)

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

**Reminder:** Read Section 16.1 pages 401–405 and Section 16.3 pages 413–415. Study all definitions.

Section 16.1 (Review of Polygon Vocabulary) and Learning Exercises for Section 16.1 #10

| Assignment: Learning Exercises for Section 16.1 #1, 2, 5 (part a), 6, 9, 11, 12, 17, 18 |

Section 16.2 (Organizing Shapes)

| Assignment: Learning Exercises for Section 16.2 #1, 2, 4 |

Section 16.3 (Triangles and Quadrilaterals) and Learning Exercises for Section 16.3 #1

| Assignment: Learning Exercises for Section 16.3 #6 |
| Assignment: Section 16.6 Check Yourself, all items |

**Reminder:** The Computational Assessment will be given during the first class session next week

**Reminder:** Assignment to be ready for Week 3: In Section 17.2, complete Activity 3 Fold Them Up (preliminary homework activity). See information above. **[Note: This is a class requirement. (It is not optional.)]**

**Quiz 2**
**Week 3, beginning September 11**

First class session: **Computational Assessment (1/2 hour maximum, no calculators)**

<table>
<thead>
<tr>
<th>Section 17.1 (Faces and Nets)</th>
<th>Assignment: Learning Exercises for Section 17.1 #1, 3, 5, 6</th>
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<tr>
<td>Section 17.2 (Introduction to Polyhedra)</td>
<td>Assignment: Learning Exercises for Section 17.2 #1, 7, 9, 13 Assignment: Section 17.7 Check Yourself, all items</td>
</tr>
<tr>
<td>Section 23.1 (Key Ideas of Measurement) and Learning Exercises for Section 23.1 #2, 6, 7, 12, 16</td>
<td>Assignment: Learning Exercises for Section 23.1 #5, 18</td>
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<tr>
<td><strong>Reminder:</strong> Exam 1 will be given during your last class session next week.</td>
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**Quiz 3**

**Week 4, beginning September 18**

<table>
<thead>
<tr>
<th>Section 23.2 (Length and Angle Size) and Learning Exercises for Section 23.2 #1, 5, 9, 21, 22, 24 (first diagram)</th>
<th>Assignment: Learning Exercises for Section 23.2 #12 (parts a, b, c, d), 14, 25 (parts b, c, e, f), 30, 35 Assignment: Section 23.4 Check Yourself, all items</th>
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<tr>
<td><strong>Reminder:</strong> Study for Exam 1.</td>
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**Exam 1**

**Week 5, beginning September 25**

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<thead>
<tr>
<th>Section 24.1 (Area and Surface Area; Exclude Discussion 4 and Example 2) and Learning Exercises for Section 24.1 #11 (parts a and c), 12 (parts a, b), 14 (part a)</th>
<th>Assignment: Learning Exercises for Section 24.1 #12 (parts c, d, e, f, g, h), 17, 26, 28</th>
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<tr>
<td>Section 24.2 (Volume; End with Discussion 7) and Learning Exercises for Section 24.2 #14 (part a)</td>
<td>Assignment: Learning Exercises for Section 24.2 #1, 2, 13, 14 (parts b and c) Assignment: Section 24.4 Check Yourself, #1-3, 5-7</td>
</tr>
<tr>
<td>Section 25.1 (Circumference, Area, and Surface Area Formulas; Exclude sphere) and Learning Exercises for Section 25.1 #2 (parts c and d), 5, 16 (part a), 18 (parts a, c, g, iii for c, g)</td>
<td>Assignment: Learning Exercises for Section 25.1 #1, 2 (parts a and b), 13, 14, 18 (parts b, d, h)</td>
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**Quiz 4**

**Week 6, beginning October 2**

<table>
<thead>
<tr>
<th>Section 25.2 (Volume Formulas; Exclude sphere and Example 3)</th>
<th>Assignment: Learning Exercises for Section 25.2 #1, 2, 5 (parts a, c) Assignment: 25.4 Check Yourself, all items</th>
</tr>
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<tbody>
<tr>
<td>Section 26.1 (Pythagorean Theorem; Exclude Examples 2 and 3 and Activity 2) and Learning Exercises for Section 26.1 #1, 2</td>
<td>Assignment: Learning Exercises for Section 26.1 #3, 10, 18 Assignment: Section 26.3 Check Yourself, #1</td>
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**Quiz 5**

**Week 7, beginning October 9**

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<thead>
<tr>
<th>Section 2.3 (Place Value and Bases Other than Ten)</th>
<th>Learning Exercises for Section 2.3 #2, 3 (parts a, b, c), 5 (parts a, b), 17 (part b), 18 (parts a, b, c, d)</th>
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<tbody>
<tr>
<td>Section 2.4 (Operations in Different Bases)</td>
<td>Learning Exercises for Section 2.4 #2 (parts a, c), 4 (part a), 5 (part c) Assignment: Section 2.6 Check Yourself #1-5, 7-8. <strong>(Assignments are continued on the next page.)</strong></td>
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</tbody>
</table>
Section 3.3 (Ways of Thinking about Multiplication) Exclude Activity 9, but include the discussion of the commutative, associative, and distributive properties

Assignment: Learning Exercises for Section 3.3 #1 (parts a and b), 3, 9 (part a), 10 (part a)

Section 3.4 (Ways of Thinking about Division)

Assignment: Learning Exercises for Section 3.4 #4, 6, 8 (parts a, b, c, and d)
Assignment: Section 3.7 Check Yourself #4, 7

Reminder: Exam 2 will be given during your last class session next week.

Quiz 6

Week 8, beginning October 16

Section 4.1 (Operating on Whole Numbers and Decimals) and Learning Exercises for Section 4.1 #1 (parts a and c)

Assignment: Section 4.3 Check Yourself #1, 2, 3

Exam 2

Note: The last day to withdraw from this course without penalty is Friday October 20, 2017.

Week 9, beginning October 23

Chapter 6 Introduction, Section 6.1 (Understanding the Meanings of a/b), and Learning Exercises for Section 6.1 #22 (parts a, b, c, d)

Assignment: Learning Exercises for Section 6.1 #2, 3 (part b), 10 (part a), 11, 21

Section 6.2 (Comparing Fractions)

Assignment: Learning Exercises for Section 6.2 #4, 5

Section 6.3 (Equivalent Fractions)

Assignment: Learning Exercises for Section 6.3 #5 (parts a, b, c, and d), 6 (parts a, b, and c)

Section 6.4 Relating Fractions, Decimals and Percents

Assignment: Learning Exercises for Section 6.4 #1, 2 (parts a-e), 3, 4 (parts a-b), 8, 9, 10 (parts a, b).

Section 7.1 (Adding and Subtracting Fractions)

Assignment: Learning Exercises for Section 7.1 #2, 3, 8, 10, 15

Quiz 7

Week 10, beginning October 30

Section 7.2 (Multiplying by a Fraction), and Learning Exercises for Section 7.2 #8, 9

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

Section 7.3 (Dividing by a Fraction)

Assignment: Learning Exercises for Section 7.3 #1, 4, 5, 6, 7, 11, 13, 14
Assignment: Section 7.5 Check Yourself, all items

Quiz 8

Week 11, beginning November 6

Section 9.2 (Comparing Ratios; Exclude Activity 3) and Learning Exercises for Section 9.2 #18, 19

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

Section 9.3 (Percents in Comparisons and Changes) 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
Assignment: Section 9.6 Check Yourself #3-9

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

Quiz 9
Week 12, beginning November 13

Section 27.2 (Methods of Assigning Probabilities) and Learning Exercises for Section 27.2 #4, 5, 6, 12, 13
Assignment: Learning Exercises for Section 27.2 #7, 9, 14, 16, 19

Section 27.3 (Simulating Probabilistic Situations) and Learning Exercises for Section 27.3 #1, 2
Assignment: Learning Exercises for Section 27.3 #4
Assignment: Section 27.5 Check Yourself #2–8, 10

Section 28.1 (Tree diagrams and Lists for Multistep Experiments) and Learning Exercises for Section 28.1 #2, 3
Assignment: Learning Exercises for Section 28.1 #7, 8

Exam 3

Week 13, week beginning November 20 (No classes on Nov. 22, 23, and 24 for Thanksgiving)

Section 29.1 (What Are Statistics)
Assignment: Learning Exercises for Section 29.1 #2, 3

Section 29.2 (Sampling: The Why and the How) through p. 700
Assignment: Learning Exercises for Section 29.2 #9

Section 30.1 (Representing Categorical Data) and Learning Exercises for Section 30.1 #1
Assignment: Learning Exercises for Section 30.1 #6, 8

Quiz 10

Week 14, week beginning November 27

Section 30.3 (Examining the Spread of Data) and Learning Exercises for Section 30.3 #2, 3, 7
Assignment: Learning Exercises for Section 30.3 #6, 16, 17

Section 30.4 (Measures of Center) and Learning Exercises for Section 30.4 #4, 15, 16
Assignment: Learning Exercises for Section 30.4 #7, 8, 9

Section 30.6 (Examining Distributions) Exclude Discussion 13
Assignment: Learning Exercises for Section 30.6 #4, 11, 14, 16
Assignment: Section 30.8 Check Yourself, all

Section 31.1 (Comparing Data Sets) p. 767 last paragraph through p. 771 Example 1
Assignment: Learning Exercises for Section 31.1 #8

Quiz 11

Week 15, beginning December 4

In preparation for the final exam review, review all quizzes and exams and bring them to class.

Section 31.2 (Lines of Best Fit and Correlation)
Assignment: Learning Exercises for Section 31.2 #2, 3, 5
Assignment: Section 31.4 Check Yourself, all

Section 32.1 (Having Confidence in a Test Statistic) pp. 749-750 and pp. 755-756
Assignment: Learning Exercises for Section 32.1 #6, 7
Assignment: Section 32.4 Check Yourself #1, 2

Section 33.1 (Expected Value)
Assignment: Supplementary Learning Exercises for Section 33.1 #3

Review for Final Exam

The MATH 201 Final Exam is on Friday December 15, at 8:00 – 9:50 am. Location to be announced.