Course Syllabus
Pre-Algebra DMAT 0090
Lecture
Spring 2015

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Course Syllabus
Pre-Algebra DMAT 0090
Lecture
Spring 2015

Math/Science Learning Center
Location: P330        Phone: 972-273-3500        Fax: 972-273-3534
Office Hours: Mon - Thurs: 8:00 am - 8:00 pm; Fri: 8:00 am - 4:30 pm

This course syllabus is intended as a set of guidelines for the DMAT 0090 course. Both North Lake College and your instructor reserve the right to make modifications in content, schedule, and requirements as necessary to promote the best education possible within prevailing conditions affecting this course.

Instructor Information
Instructor: FRANCES FORET
Email: fforet@dccc.edu
Office Phone: 972-273-3523
Office: C211
Office Hours: By appointment

Course Information
Course title: DMAT 0090- 73253
Credit hours: 3 credit hours
Class meeting time: Saturday 8:30 am – 11:40 am

Course description This course is designed to continue to develop an understanding of fundamental operations using integers, fractions, decimals, percentages, and perimeter and area of basic geometric figure concepts, and to strengthen basic skills in mathematics, including one and two step algebraic processes. The course is planned primarily for students who need to review basic mathematical processes.

ACGM description: Topics in mathematics such as arithmetic operations, basic algebraic concepts and notation, geometry, and real number systems.
Course prerequisites: Appropriate score on the mathematics placement exam or successful completion of DMAT 0066.

Required or Recommended Textbooks and Materials

- Basic College Mathematics MLP Package for North Lake College

Technical Support

MyLabsPlus support website: http://www.mylabsplus.com/support
Technical support for MyLabsPlus: 1-888-883-1299
Technical support for eCampus: 866-374-7169

Course Objectives

To develop a further understanding of the process of learning mathematics, the factors which can interfere with that process, and to continue to build the fundamentals of arithmetic necessary for a foundation for future courses or utilization in a career or other endeavor.

Chapter 1: Whole Numbers
Chapter 2: Multiplying and Dividing Fractions
Chapter 3: Adding and Subtracting Fractions
Chapter 4: Decimals
Chapter 5: Ratio and Proportion
Chapter 6: Percent
Chapter 8: Geometry
Chapter 10: Signed Numbers
Chapter 11: Introduction to Algebra
Means of Assessment of Course Learning Outcomes

Course Learning Outcomes will be assessed by a variety of means.

1. Homework will be assigned and assessed either using the software component and/or by the instructor.
2. Observation of students as they interact in groups and discussions will be used to assess all outcomes.
3. Students will complete projects and learning activities that will address specific course learning outcomes.

Weekly Course Outline (Calendar)

Please see Appendix attached to the end of this syllabus for a complete and detailed Course Outline (Calendar). Pay careful attention to the listed dates.

Evaluation Procedures

HOMEWORK
Each student is required to purchase the online component (called MyLabsPlus) that comes with a new book.

Homework is the most important learning tool in a course.

- It reinforces classroom instruction.
- It provides an immediate and personal measure of your competence in the course.
- The homework will be 15% of your final course grade.

The instructor’s role of facilitating learning is greatly enhanced for the student who has completed the homework. The classroom environment is more favorable for learning when the student has studied the material in the text/software site, has tried to work the problems, and uses the classroom to get supplementary information and assistance that is not available in the text/software site. Students are advised to earn at least a 75% on each homework assignment. The student that earns a 100% on each homework assignment and gets help when necessary will be the most successful in this course.

Time Requirements:

- You can expect to spend a minimum of 9 hours per week on this class.
- The 9 hours = 3 hours of class time + at least 6 additional hours outside of class working through the material and homework.
- If you cannot donate this amount of time to math homework, your success will be diminished.
ATTENDANCE
Absences are generally detrimental to one’s performance in a course. You are expected to attend regularly in order that you may increase your chances for a successful semester in algebra.

Tardies are strongly discouraged as they are disruptive to the class and thus the students who are on time. However, it is better to come late than not at all, as long as it is not a habit with one particular individual. If you anticipate a particular problem, please discuss it with me before or after class.

This portion of the final course grade will be determined by the number of unexcused absences, using the following table: NOTE: Each Saturday absence counts as 2 absences in the table. EX: missing 2 Saturday classes is equivalent to missing 4 regular weekday classes.

<table>
<thead>
<tr>
<th>Absences</th>
<th>0 - 2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
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<tr>
<td>Grade</td>
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<td>75</td>
<td>70</td>
<td>65</td>
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<tr>
<td>Absences</td>
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<td>16</td>
<td>17</td>
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<td>22+</td>
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<tr>
<td>Grade</td>
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<td>40</td>
<td>35</td>
<td>30</td>
<td>25</td>
<td>20</td>
<td>15</td>
<td>10</td>
<td>5</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Students will be able to earn back attendance credit by attending the Math Success Center.

Lost attendance points can be earned back by attending the Math Success Center.

- Each 3 hours of active work in the Math Success Center will = one missed day of a Saturday class.
- Active work in the lab must be documented by the lab staff.
- Make-up sessions in the Math Success Center must be completed within two weeks of the absence.
- Attendance in the lab cannot be used for extra credit.

TESTS
There are two types of tests: mastery tests and written tests.

- **Mastery tests (on MLP)**
  - The mastery test will help determine your readiness to take the written test.
  - Students should strive to earn at least a 75% on the mastery test before taking a written test. Although this is not a requirement, students that earn a 75% or better on the mastery test are more likely to pass the written exam and the course.
  - The deadline for mastery tests will be announced in class by your instructor.
  - Students will have limited attempts for each mastery test. Before retaking the mastery test, it is recommended that the first attempt be reviewed.
  - The highest grade on each chapter mastery test will be used to determine your mastery test average.
  - *The mastery tests will be part of your final course grade.*

- **Written Tests**
  - All written tests will be taken in the testing center of the campus in which you attend class unless otherwise approved by the instructor.
Written tests will be accessed via eCampus and the NLC-GREEN-DMAT-0090-TESTING Community ~ See eCampus for more details.

- The written tests are the main part of your course grade.
- There are six (6) written chapter tests and one final exam.
- All written tests will be graded according to the Guidelines for Homework Assignments and All Tests (see eCampus).
- **The written test average will be 60% of your final course grade.**

**Special note on written tests:**
- All written tests will be based on homework problems that are assigned throughout the semester.
- All written tests will test your understanding of the course concepts that are covered throughout the semester and through various forms of questioning and application problems. This means the exams are not identical to problems you have worked but designed to test your understanding of the concepts presented.
- The homework and mastery test are designed to prepare you to succeed on the written chapter test.

- **Retests**
  - Allowed on two tests only. The original test must have been taken on time.
  - The following are exceptions: final exam
  - Retests must have my approval.
  - No written chapter tests during finals week and only one retest per week.
  - Additional work will be **required** for retests.
  - Maximum grade of 75% on a retest.

- **Final Exam**
  - The final exam will be taken after all coursework has been completed.
  - The final exam covers chapters 5, 6, 8, 10 and 11.
  - The final exam is required and will be taken in the classroom at the time specified in the Official Final Exam Schedule.
  - **The final exam will be 10% of your final course grade.**

**Testing Center Information (Room A425)**

**Testing Policy for Mathematics & Science Division:**
- If you need special accommodations you must talk to your instructor and submit a request to the Disability Services Office in person (A430) or by phone at 972-273-3165. Visit [http://www.northlakecollege.edu/services-and-resources/advice-and-assistance/Pages/disability-services.aspx](http://www.northlakecollege.edu/services-and-resources/advice-and-assistance/Pages/disability-services.aspx) for more information.
- You may not bring personal items into the Test Center. This includes bags, cell phones and pagers. Coin-reimbursable (quarter) lockers are available for student use. The testing center is not responsible for lost or stolen items. Please do not share lockers.
- Please show courteous and cooperative behavior while using the services provided by the Testing Center.
• **Do not bring children to the testing center.** You must make arrangements for the care of your children prior to your exam date. The police department will be notified of any unattended children.

• **Do not** take any testing materials with you when you leave the Testing Center. This includes the test, answers, charts, scratch paper. These items will be attached to your test. **To do so constitutes Academic Dishonesty.**

**Academic Dishonesty**
The Dallas County Community District has established procedures and guidelines to protect the security and integrity of all exams. All incidents of academic dishonesty are documented and reported to the instructor, the Director of Testing and the Dean of Student Enrollment. **Questions? Please visit the Testing Center (A425) or call 972-273-3160.**

**Testing Center Hours**
Monday – Thursday: 8:30 a.m. to 8:00 p.m.
No tests will be issued after 7:00 p.m. and all exams will be collected at 8:00 p.m.

Friday - Saturday: 8:30 a.m. to 3:30 p.m.
No tests will be issued after 2:30 p.m. and all exams will be collected at 3:30 p.m.
*Important: hours and days may vary due to holidays or other events, please verify the Testing Center will be open before you arrive.

**Testing Center Procedures**
If your instructor requires you to complete an exam in the Testing Center, be sure to have the following information when you request your test.

• Instructor’s name
• Subject and course number (DMAT 0090)
• Exam number (1st, 2nd, 3rd, etc.)
• Exam deadline (Get this information from your instructor. The testing staff cannot “look up” this information on computers.)

You should also bring the following supplies.

• Government- or school-issued photo identification is required & enforced
• Pencil & Eraser
• A Test Request Form must be completed before entering the Testing center.
• Money for coin-return lockers (quarter). Please do not share lockers.

**Grading Scale**

Computing Your Grade:

- Written Chapter Tests: 60%
- Homework: 15%
- Attendance: 5%
- Daily Work: 10% *(Includes Mastery tests, quizzes, SLO activities, projects, etc.)*
- Final Test: 10%

Your course grade will be determined by the following:

- A = 90 – 100%
- B = 80 – 89%
- C = 70 – 79%  
  *The letter grade of D is no longer given in DMAT classes*
F = 0 – 69%; Grade of F or E (if earned) will be reported.

Grade Alternatives

E - Consistent attendance and participation in class is mandatory.
- Student re-enrolls in same course and begins with pre-testing at the very beginning of the course.
- The E grade is non-punitive. (It is not computed in the GPA.)
- The student will be required to pay for the new attempt of the course.
- To earn the E option the following requirements must be met:
  1. Student had regular attendance.
  2. Student made a valid effort to complete the required material.
  3. Student must restart the class from beginning.

I – Incomplete
- Only given in EXTREME CIRCUMSTANCES or if the student has only the last chapter to complete.
- Requires instructor permission and consent by the Dean of the department.

Availability of Course Materials

Access to coursework on MyLabsPlus is dependent upon the beginning and ending of the semester. Students may not be able to access their coursework except under instructor supervision and during their enrolled semester.

Discipline/ Course/ Department/Policies

Calculators
PER DEPARTMENTAL DECISION – EFFECTIVE SPRING 2006
Since calculators are NOT permitted on the tests, it is best to attempt homework without the aid of a calculator. Answers to odd problems are in the back of the book for you to check your answers.

Math Learning Center
The Math Learning Center (C211) provides generalized instructional services for students enrolled in North Lake MATH and DMAT courses. Students must show a North Lake College I.D. These include:
- Tutoring in all math courses taught at North Lake College;
- Computers that may be used by students enrolled in courses that have an Internet component such as homework systems (MyLabsPlus, ConnectMath). This lab is restricted to students working on MATH or DMAT courses;
- Graphing calculators and textbooks that are available for use in center;
- Graph Stamps so students can make their own graph paper; and
- A quiet area to study.

- **Hours:** Mon-Thurs 8:00am – 9:00pm; Fri-Sat 9:00am – 2:00pm; CLOSED on Sunday
The Math Success Center
The Math Success Center (C207) provides intensive assistance to students enrolled in developmental (credit or CE) mathematics courses or College Algebra (MATH 1314/1414) at North Lake College. Students must show a North Lake College I.D.:

- This Center provides and promotes activities that are connected with success in mathematics.
- Students can make up class absences.
- They can learn how to study math and manage their time;
- Receive specialized tutoring from seasoned faculty;
- Learn how math relates to their lives; and
- Experience the benefits of working with a study group.

➢ **Hours:** Mon - Thurs: 9:30 a.m.—7:00 p.m.; Fri & Sat: 9:00 a.m.—2:00 p.m.

Cell Phone Use
The use of cell phones or other similar devices is prohibited during class time. You are expected to turn OFF and put away all such devices BEFORE entering the classroom. **Students caught with a cell phone in their possession while taking a test will be given a zero (0) for that test and may face disciplinary action.**

Disruptive Behavior
Distractive talking will not be tolerated. A warning will be given and if not heeded, the student will be asked to leave. Re-admittance to the class will be through the dean’s office.

Institutional Policies

**Academic Dishonesty**
The Student Code of Conduct prohibits academic dishonesty and prescribes penalties for violations. According to this code, which is printed in the college catalog, "academic dishonesty", includes (but is not limited to) cheating, fabrication, facilitating academic dishonesty, plagiarism, and “collusion”. The Vice-President of Academic & Student Affairs may initiate disciplinary proceedings against a student accused of academic dishonesty. Academic dishonesty includes, but is not limited to, cheating on a test, plagiarism and collusion.

1) Cheating on a test includes:
   a) Copying from another student’s test paper;
   b) Using, during a test, materials not authorized by the person giving the test;
   c) Collaborating with another student during a test without permission to do so;
   d) Knowingly using, buying, selling, stealing, transporting, or soliciting in whole or part the contents of an un-administered test;
   e) Substituting for another student, or permitting another student to substitute for you to take a test;
   f) Bribing another person to obtain an un-administered test or information about an unadministered test.
2) “Plagiarism” means the appropriation of another’s work (ideas and/or words) and the unacknowledged incorporation of that work in one’s written work offered for credit. Quotes not identified as quotes constitute a form of plagiarism even if the borrowed ideas are documented.
3) “Collusion” means an unauthorized collaboration with another person in preparing written work offered for credit. Academic dishonesty may result in the following sanctions, including, but not limited to:
   1. A grade of zero or a lowered grade on the assignment or course.
   2. A reprimand.
   3. Suspension from the college.

**Notification Of Absence Due To Religious Holy Day(s)**
Students who will be absent from class for the observance of a religious holiday must notify the instructor in advance. Please refer to the Student Obligations section of the college catalog for more explanation. You are required to complete any assignments or take any examinations missed as a result of the absence within the time frame specified by your instructor.

**Requirements Of The Americans With Disabilities Act**
North Lake College provides academic accommodations to students with disabilities, as defined under ADA law. It is the student’s choice and responsibility to initiate any request for accommodations. If you are a student with a disability who requires such ADA accommodations, please contact North Lake College’s Disability Services Office in person (A430) or by phone at 972-273-3165. For further information, go online to:
[http://www.northlakecollege.edu/resources/disability.html](http://www.northlakecollege.edu/resources/disability.html)

**Drop Policy**
If you are unable to complete this course, you must officially withdraw by **Thursday, April 16, 2015**. Withdrawing is a formal procedure which you must initiate; **your instructor cannot do it for you**. All Dallas County Community Colleges charge a higher tuition rate to students registering the third time for a course. This rule applies to the majority of credit and Continuing Education / Workforce Training courses. Developmental Studies and some other courses are not charged a higher tuition rate. Third attempts include courses taken at any DCCCD college since the fall 2002 semester. For further information, go online to: [http://www.DCCCD.edu/thirdcourseattempt](http://www.DCCCD.edu/thirdcourseattempt).

**Administrative Withdrawal**
Students with valid extenuating circumstances may be eligible for an administrative withdrawal by the Dean of the Division in which the course or courses are taught. An administrative withdrawal will not be awarded to students who simply fail to withdraw prior to the last day to receive a “W.” The request for an administrative withdrawal must be made in writing to the Dean of the Division with any supporting documentation attached. This must occur before the last official day of the semester.

**Financial Aid Statement**
Students who are receiving any form of financial aid should check with the Financial Aid Office prior to withdrawing from classes. Withdrawals may affect your eligibility to receive further aid and could cause you to be in a position of repayment for the current semester. **Students who fail to attend or participate are also subject to this policy.**

To apply for financial aid in the DCCCD, students must complete FAFSA (Free Application for Federal Student Aid) on the web at: [http://www.fafsa.ed.gov](http://www.fafsa.ed.gov)
Stop Before You Drop
DO NOT DROP UNTIL YOU SPEAK WITH YOUR INSTRUCTOR.
For students who enrolled in college level courses for the first time in the fall of 2007, Texas Education Code 51.907 limits the number of courses a student may drop. You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your campus counseling/advising center will give you more information on the allowable exceptions. Remember that once you have accumulated 6 non-exempt drops, you cannot drop any other courses with a “W”. Therefore, please exercise caution when dropping courses in any Texas public institution of higher learning, including all seven of the Dallas County Community Colleges. For more information, you may access: https://www1.dcccd.edu/coursedrops

Counseling Services
Counseling services for personal issues are provided to all students currently enrolled at North Lake College. These services are provided by licensed professionals who are bound by confidentiality (within ethical parameters) at no charge. With the assistance of a counselor, students are able to identify, understand, resolve issues and develop appropriate skills. To make an appointment call 972-273-3333 or visit A-414.

The Academic Skills Center (ASC)
The Academic Skills Center (ASC) is designed to provide assistance to students in the following areas:
- Labs for students enrolled in foreign language, Developmental Reading, and ESOL courses.  One-on-one tutoring is available.
  - The Writing Center can help students clarify writing tasks, understand instructors’ requirements, develop and organize papers, explore revision options, detect grammar and punctuation errors, and properly use and document sources.  Rather than merely editing or "fixing" papers, tutors focus on helping students develop and improve their writing skills.
  - The Online Writing Lab (OWL) allows students to submit papers to our writing tutors electronically and get feedback within 24-72 hours.  The OWL can be accessed through eCampus.  After logging on to eCampus, click on the Community Tab at the top.  Type “Owl” in the search field and click “Go.”  Next, click on the double drop-down arrows next to “NLC-OWL2,” and then click on “Enroll.”  Once enrolled, students can receive services from the OWL. For more information or to schedule a tutoring appointment, come by A-332 or call 972-273-3089.

TSI Information
TSI (Texas Success Initiative) is the state required assessment program that has replaced TASP.  The purpose of TSI is to insure students have the skills to be ready for college level coursework.  Dallas County Community College District is allowing students to decide when they will take their developmental coursework.  Demonstrated proficiency in skills through completion of DMAT 0093 or a passing score on an assessment instrument is required to move to college level math classes.  Students must earn an “A”, “B”, or “C” in their developmental class in order to move to the next developmental level or to a college level class.

Effective for Fall Semester 2005, the Dallas County Community Colleges will charge a higher tuition rate to students registering the third or subsequent time for a course. All third
and subsequent attempts of the majority of credit and Continuing Education/Workforce Training courses will result in higher tuition to be charged. Developmental Studies and some other courses will not be charged a higher tuition rate. Third attempts include courses taken at any of the Dallas County Community Colleges since the Fall 2002 semester.

Enrollment in developmental courses is subject to other limitations. Students may enroll in a maximum of 27 hours of developmental courses. For more information go to the DCCCD web site and click on “Paying for College” and then “Third Course Attempt.”

TSI completion of all areas (reading, math, and writing) is required before being awarded a degree. Based on the first testing score, some students may need to re-test in order to complete TSI requirements.

**Food and Drink in the Classroom**
The college policy restricts food and drink in the classroom.
## Appendix

### Learning Activities, Outcomes, and Assessment

<table>
<thead>
<tr>
<th>1. Learning Activity: Order of Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Learning Outcomes: At least 75% of the students will accurately use the order of operations of whole numbers to simplify an algebraic expression.</td>
</tr>
<tr>
<td>b. Assessment: This learning outcome will be assessed on a quiz that will be administered via MyLabsPlus (Homework management software).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. Learning Activity: Application of Fractions</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Learning Outcomes: At least 75% of the students will accurately solve a real-world application problem involving fractions.</td>
</tr>
<tr>
<td>b. Assessment: This learning outcome will be assessed on a quiz that will be administered via MyLabsPlus (Homework management software).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Learning Activity: Perimeter of an Irregular Figure</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Learning Outcomes: At least 75% of the students will accurately find the perimeter of an irregular figure.</td>
</tr>
<tr>
<td>b. Assessment: This learning outcome will be assessed on a quiz that will be administered via MyLabsPlus (Homework management software).</td>
</tr>
</tbody>
</table>
DMAT 0090 Weekly Course Outline – Saturday class

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1/24</td>
<td>Pre-Assessment (in-class) Review of Order of Operations, including: whole numbers (Chapter 1), fractions (Chapters 2-3), and decimals (Chapter 4) SLO Activity: PEMDAS (in-class) SLO Quiz: PEMDAS (MLP - password needed)</td>
</tr>
<tr>
<td>2</td>
<td>1/31</td>
<td>Review of Order of Operations (cont’d) Section 11.1a – 11.2, Section 11.3 Applications and problem solving SLO Activity: Applications (in-class) SLO Quiz: Applications (MLP - password needed) Chapter 1-4 Review Mastery Test (MLP)</td>
</tr>
<tr>
<td>3</td>
<td>2/7</td>
<td><strong>Chapter 1-4 Review Test (Testing Center)</strong> Section 5.1-5.2</td>
</tr>
<tr>
<td>4</td>
<td>2/14</td>
<td>Section 5.3-5.4 Chapter 5 Mastery Test (MLP)</td>
</tr>
<tr>
<td>5</td>
<td>2/21</td>
<td><strong>Chapter 5 Test (Testing Center)</strong> Section 6.1, 6.2, 6.3</td>
</tr>
<tr>
<td>6</td>
<td>2/28</td>
<td>Section &amp; 6.5 (SKIP 6.4) Section 6.6 Chapter 6 Mastery Test (MLP)</td>
</tr>
<tr>
<td>7</td>
<td>3/7</td>
<td><strong>Chapter 6 Test (Testing Center)</strong> Section 8.2, 8.3</td>
</tr>
<tr>
<td></td>
<td>3/14</td>
<td><strong>Spring Break</strong></td>
</tr>
<tr>
<td>8</td>
<td>3/21</td>
<td>Section 8.3, 8.4 SLO Activity: Geometry (in-class) SLO Quiz: Geometry (MLP – password needed) Chapter 8 Mastery Test (MLP)</td>
</tr>
<tr>
<td>9</td>
<td>3/28</td>
<td><strong>Chapter 8 Test (Testing Center)</strong> Section 10.1, 10.2, 10.3</td>
</tr>
<tr>
<td>10</td>
<td>4/11</td>
<td>Section 10.3, 10.4, 10.5 Chapter 10 Mastery Test (MLP)</td>
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<td>11</td>
<td>4/18</td>
<td><strong>Chapter 10 Test (Testing Center)</strong> Section 11.1 – 11.2 ~Apr 16 – Last Day to Withdraw ~</td>
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<td>4/25</td>
<td>Section 11.3 – 11.5 Chapter 11 Mastery Test (MLP)</td>
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<tr>
<td>13</td>
<td>5/2</td>
<td><strong>Chapter 11 Test (Testing Center)</strong> Review for Final Exam</td>
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<tr>
<td>14</td>
<td>May 9</td>
<td>Final Exam – in class Final Exam Covers Chapter 5, 6, 8, 10, &amp; 11</td>
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List of Course Objectives

<table>
<thead>
<tr>
<th>Objective</th>
<th>Subtopics within main objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order of Operations (Review)</td>
<td>a) Use the order of operations with whole numbers.</td>
</tr>
<tr>
<td></td>
<td>b) Use the order of operations with fractions.</td>
</tr>
<tr>
<td></td>
<td>c) Use the order of operations with mixed numbers.</td>
</tr>
<tr>
<td></td>
<td>d) Use the order of operations with decimals.</td>
</tr>
<tr>
<td><strong>11.1</strong> Introduction to variables (Intro only)</td>
<td>a) Evaluate algebraic expressions for given replacements values for variables. (Positive values only.)</td>
</tr>
<tr>
<td><strong>11.2</strong> Solving Equations: Addition Property</td>
<td>a) Determine whether a given number is a solution of an equation. (Positive values only.)</td>
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<tr>
<td>Chapter</td>
<td>Topic</td>
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<td>11.3</td>
<td>Solving Equations: Multiplication Property</td>
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<td>Applications and problem solving</td>
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<td></td>
<td>(<strong>Define, Equation, Solve &amp; Sentence</strong>)</td>
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<td><strong>Chapter 1-4 Review Test:</strong> Testing Center</td>
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<td>5.1</td>
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<tr>
<td>5.2</td>
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<td><strong>Chapter 5 Test: Testing Center</strong></td>
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<td>Percent and problem solving: sales tax, commission and discount</td>
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<td>10.1</td>
<td>Signed Numbers</td>
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<tr>
<td>10.2</td>
<td>Adding signed numbers</td>
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</tbody>
</table>
| 10.3 | Subtracting signed numbers | a) Subtract signed numbers.  
  b) Add and subtract signed numbers.  
  c) Solve problems by subtracting signed numbers. |
| 10.4 | Multiplying and dividing signed numbers | a) Multiply signed numbers.  
  b) Divide signed numbers.  
  c) Solve problems by multiplying and dividing signed numbers. |
| 10.5 | Order of operations | a) Simplify expressions by using the order of operations.  
  b) Find the average of a list of numbers. |
| **Chapter 10 Test: Testing Center** | How to prepare for the Chapter 10 Test can be found in your Student Organizer on page 251. |
| 11.1 | Introduction to Variables | a) Evaluate Algebraic Expressions for Given Replacement Values for the Variables.  
  b) Use Properties of Numbers to Combine Like Terms.  
  c) Use Properties of Numbers to Multiply Expressions.  
  d) Simplify Expressions by Multiplying and Combining Like Terms.  
  e) Find the Perimeter and Area of Figures. |
| 11.2 | Solving Equations: Addition Property | a) Determine whether a given number is a solution of an equation.  
  b) Use the addition property of equality to solve equations. |
| 11.3 | Solving Equations: Multiplication Property | a) Use the multiplication property to solve equations. |
| 11.4 | Solving equations using addition and multiplication properties | a) Solve equations using addition and multiplication properties.  
  b) Solve Equations Containing Parentheses.  
  c) Write numerical sentences as equations. |
| 11.5 | Equations and problem solving | a) Write phrases as algebraic expressions.  
  b) Write sentences as equations.  
  c) Use Problem-Solving Steps to Solve Problems. |
| **Chapter 11 Test: Testing Center** | How to prepare for the Chapter 11 Test can be found in your Student Organizer on page 273. |
| **Final Exam: in Classroom** | Cumulative |