# Math 112 Syllabus
## Spring 2008

<table>
<thead>
<tr>
<th>Instructor:</th>
<th>Linh Tran</th>
<th>Section Number:</th>
<th>3286</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone:</td>
<td>(818) 364-7600 EXT 4144</td>
<td>Class Meeting Days:</td>
<td>Monday &amp; Wednesday</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:tranlm@lamission.edu">tranlm@lamission.edu</a></td>
<td>Class Meeting Times:</td>
<td>3:40 - 5:05 p.m.</td>
</tr>
<tr>
<td>Office Hours:</td>
<td>W 5:05 – 6:00 pm, or by appointment</td>
<td>Class Location:</td>
<td>BUNG 2</td>
</tr>
<tr>
<td>Office Location:</td>
<td>Math Center</td>
<td>Final Exam:</td>
<td>Monday June 2 from 5:30 - 7:30 p.m.</td>
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**Text:** PreAlgebra, 3rd Edition, by Gustafson and Tussy.

**Materials:** Pencil, ruler, stapler, paper, and graph paper will be useful.

**Prerequisite:** Successful completion of Math 105 or appropriate skill level demonstrated through the math assessment process.

**Important Dates:**
- Feb 19 Last day to add
- Mar 3 Last day to drop without a “W”
- Mar 24-30 Spring Break
- Mar 31 Cesar Chavez Holiday
- May 5 Last day to drop with a “W”
- May 26 Memorial Day

**Course Objectives:** We will cover the following chapters:

<table>
<thead>
<tr>
<th>Chapter 1: Operations with Whole Numbers</th>
<th>Chapter 6: Graphing &amp; Polynomials</th>
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<tbody>
<tr>
<td>Chapter 2: Operations with Integers</td>
<td>Chapter 7: Percents</td>
</tr>
<tr>
<td>Chapter 3: The Language of Algebra</td>
<td>Chapter 8: Ratios &amp; Proportions</td>
</tr>
<tr>
<td>Chapter 4: Fractions &amp; Mixed Numbers</td>
<td>Chapter 9: Geometry</td>
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<td>Chapter 5: Decimals</td>
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Upon completion of this course, students will be competent in the following topics:

- Find the prime factorization.
- Evaluate expressions using order of operations.
- Simplify expressions with exponents.
- Solve equations with integers.
- Combine like-terms.
- Analyze word problems, translate into linear equations and solve.
- Evaluate expressions with fractions and mixed numbers, including order of operations and complex fractions.
- Evaluate expressions with decimals and square roots.
- Analyze and graph linear equations.
- Convert numbers to percents and evaluate applications such as discounts, interest, commissions, etc.
- Solve ratios and proportions, translate and solve word problems thereof.
- Calculate perimeters and areas of polygons.
- Distinguish between complementary and supplementary angles as well as acute, right, obtuse, and straight angles.
**Attendance:** Attendance is mandatory for all class meetings. You will be dropped from the class if you missed four or more meetings. If you decided to stop attending class, it is your responsibility to drop a class to avoid an “F”.

To maximize your success in this course, it is very important that you arrive to class on time and stay the whole time. Arriving late is distracting to other students. Side conversations between students that disrupt the flow of the lecture will not be tolerated. Have cellular phones and music players deactivated at all time.

**Homework:** Homework will be assigned after each lecture and due dates will be given in class. You should do the assigned homework as soon as you can after each class meeting. All homework assignments should be handed in before the lecture starts. All work must be shown and no credit will be given for answers without supporting work. Homework assignments must be stapled (not folded at corner) in proper order, unstapled assignments will not be accepted. **Late homework will not be accepted.**

**Group work:** Group assignments will be given regularly. You will form groups consisting of three to four students. At the end of the class all of the papers will be collected, but only **one paper from each group will be graded.** Each person in the group receives that grade, so it is important that you work together and pay attention to what your group members are doing. Group assignments cannot be made up.

**Quizzes:** A 15-minute quiz will be given occasionally. The questions on the quiz will come from homework exercises and from the lectures. **No make-up quizzes will be given.**

**Exams:** There will be six exams. The lowest exam score will be dropped. Make-up exams will not be given. If you miss an exam, the missed exam will be dropped. Any other missed exam will receive a grade of 0. There is a comprehensive final exam which will be given on Monday June 2. All students are required to take the final exam to pass the class. **There is no make-up for final exam.** Calculators, cellular phones, and PDA will not be allowed on quizzes or exams.

**Grading:** The course grade will be based on:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework/ Quizzes/Group work</td>
<td>10%</td>
</tr>
<tr>
<td>Exams</td>
<td>65%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
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A letter grade will be determined by your overall percentage according to the following grading scale:

- A 90% - 100%
- B 80% - 89%
- C 70% - 79%
- D 60% - 69%
- F 0% - 59%

**Tutorial:** Tutoring is available at the Math Center located in the basement of the Campus Center.

**Final Note:** There are many similarities between winning a tennis game and passing a mathematics course. Both require concentration and lots of practice. Successful in mathematics comes by attending class, reading the textbook, taking good notes, understanding the materials and asking questions, completing all assignments, and being prepare for the exams.