Math 125 – Intermediate Algebra consists of discussions and graded group-learning sessions. Upon successful completion of Intermediate Algebra (Math 125) the student will be able to:

1) Represent and analyze basic functions and their applications using tables, graphs, and equations. Use and interpret function notation in both algebraic and graphical contexts.
2) Write and analyze linear models for functions with constant rate of change. Graph linear equations and interpret slope as a rate of change in real world situations. Model problems involving two or more unknowns by writing and solving systems of equations or inequalities.
3) Formulate and analyze quadratic models, such as projectile motion, revenue functions, problems involving area or the Pythagorean theorem, and applications of conic sections, such as planetary orbits.
4) Apply and interpret exponential models such as population growth and compound interest, and logarithmic scales such as pH and earthquake magnitude.
5) Use exponents and radicals to analyze power function models in applications such as direct and inverse variation and algometry (scaling in Physiology).

Attendance:

- On time attendance is mandatory for this class. Roll will be taken at each meeting and you are responsible for being in class each Saturday. On the rare occasion that you are late to class, enter the room quietly and find the seat nearest the door.

MyMathLab:

You will receive with your textbook a code to an online website www.pearsonmylab.com where you can complete homework assignments, complete practice exams, watch videos explaining how to do problems, see example problems worked out through computer animations,
read the textbook online with direct links to practice problems, get connected with tutors over the phone and much, much more.

**Homework:**

Success in any math class is dependent upon completing and understanding all assignments. Most homework will be given on-line using The My Math Lab software. **The work you do to complete your online homework should be neatly written in your notebook together with the assignment title and the grade you earned.** Students should work enough each week to meet weekly progress goals. The goals become very difficult to meet if you fall behind, so you must budget enough time to complete weekly expectations. It is the student’s responsibility to obtain the assignment during an absence. You are expected to complete each assignment by the next class meeting so that you are ready to ask questions in class. The class schedule shows the recommended pace for completing the online homework assignments. Before the due date, you may redo online homework assignments as many times as you would like to receive a higher score. To redo a homework question, you have two options:

a. After getting an answer marked wrong, click on similar exercise rather than next exercise and you will get another three chances to get the question right. OR,

b. If you have already submitted the assignments, go back to the homework menu. Click on the assignment you would like to redo. Click on any problem with a red mark (those are the wrong answers). Click similar exercise and try again.

You should see me for assistance as soon as an exercise is not understood.

**Group work:**

- **Group problem solving** is the primary method of instruction for this class.
- You will work in groups of 3 to 5 each class meeting on an assignment.
- At the end of the class all of the papers will be collected, but **only one paper from each group will be graded.**
- Every one in the group received that score. Each group work assignment is worth five points.
- If you have to leave class early, you will receive a zero point for that day’s work.
- You must work in a group of 3 to 5, or your paper will not be graded.
- **Group work cannot be made-up.**
- **I reserve the right to break up groups for any reason.**
**Exams and Quizzes:**
- There will be 8 on-line quizzes (each worth 10 points) and 5 in-class tests. Tests 1-4 each worth 100 points and test #5 worth 50 points. No makeup quizzes or tests will be given.
- **MET** will be on Saturday afternoon at 3:30-5:45pm, Dec 8th. The MET sample test is available online on my webpage. You need to buy the green TCES/MET scantron sheet for the MET from the bookstore.

**Basic of Grading:**
You grade will be determined by:

<table>
<thead>
<tr>
<th>Component</th>
<th>percentage</th>
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<tbody>
<tr>
<td>Tests</td>
<td>50%</td>
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<tr>
<td>Quizzes</td>
<td>15%</td>
</tr>
<tr>
<td>Assignments</td>
<td>15%</td>
</tr>
<tr>
<td>MET</td>
<td>20%</td>
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- You must get 90-100 overall to get a grade of A
  80-89 B
  70-79 C
  60-69 D.
- Less than 60% overall earns a grade of "F".

**Classroom Etiquette and Participation:**
- Cell phones, pagers and music players must be turned off during class at all times. Phones cannot be used during class (even as a calculator to check your answer). The questions should be addressed to me not to your classmates while lecture is in progress. **There is a zero tolerance policy for disrespectful or disruptive behavior.**
- Neither food nor drink is allowed in the classroom with the exception of bottled water.
- Any instance of cheating will be dealt with in accordance with Pierce College policies. You are expected to adhere to the Regulations and Policies listed in the Pierce College Catalog.
- No guests are allowed in class.

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the office of special services in the student services building. Their number is (818) 719-6430.

Cheating in this class is defined as knowingly or unknowingly participating in the submission of unoriginal work for any assignment, quiz, or test. If it is determined that a student has cheated in this class, I will send report to the VP of student services for disciplinary action which may include suspension or expulsion. In addition to sending the report, I’ll assign a non-replaceable
fail grade for the assignment, quiz, or test and dismiss the students for the remainder of the class session.

Last Day to Add classes in person with instructors signed add permit: Sep 10
Last Day to Drop without incurring fees: Sep 10
Last Day to Drop classes on-line only: Nov 18
(Students who drop classes from Sep 10 to Nov 18 (on-line) will have a “W” recorded on their permanent record.)

**Academic Assistance:**
Here are some ideas that I have found help students do better in this class.

**Homework**
- Form a study group with your classmates.
- Do homework everyday, even on weekends.
- Start homework as soon as possible. Rewrite the problem being asked. Place a star (*) next to problems you need help with.

**Study Tips**
- Study every day for 1 -- 2 hours in a quiet room at home or in the library.
- Review problems that were the most difficult and practice weak areas.
- Read the textbook and create flash cards if needed.
- Write outlines of each chapter including formulas and processes that you need to solve problems.

**Note-taking**
- Select colored pens or pencils to
  - Sketch a box around definitions, formulas or important concept.
  - Write a reminder note about a key-steps within a problem (works well on homework too)
- You might want to keep a 2-inch margin on the right-hand side of your paper to make notes.
## Tentative Test and Quiz schedule

<table>
<thead>
<tr>
<th>Quiz 1 On-Line</th>
<th>Due: Sep 8, 7:00 am</th>
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<tbody>
<tr>
<td><strong>Test 1 In-Class</strong></td>
<td><strong>Ch 2 and 3</strong></td>
</tr>
<tr>
<td>Quiz 2 On-Line</td>
<td>Due: Sep 22, 7:00 am</td>
</tr>
<tr>
<td>Quiz 3 On-Line</td>
<td>Due: Sep 29, 7:00 am</td>
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<tr>
<td><strong>Test 2 In-class</strong></td>
<td><strong>Ch 4 and 5</strong></td>
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<tr>
<td>Quiz 4 On-Line</td>
<td>Due: Oct 13, 7:00 am</td>
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<tr>
<td>Quiz 5 On-Line</td>
<td>Due: Oct 20, 7:00 am</td>
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<tr>
<td>Quiz 6 On-Line</td>
<td>Due: Oct 27, 7:00 am</td>
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<tr>
<td><strong>Test 3 In-class</strong></td>
<td><strong>Ch 6 and 7</strong></td>
</tr>
<tr>
<td>Quiz 7 On-Line</td>
<td>Due: Nov 10, 7:00 am</td>
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<tr>
<td>Quiz 8 On-line</td>
<td>Due: Nov 17, 7:00 am</td>
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<tr>
<td><strong>Test 4 In-Class</strong></td>
<td><strong>Ch 8 and 9</strong></td>
</tr>
<tr>
<td><strong>Test 5 In-Class</strong></td>
<td><strong>Ch 10</strong></td>
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<tr>
<td>MET</td>
<td>Comprehensive</td>
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