PIMA COMMUNITY COLLEGE  EAST CAMPUS  
MATH 122  INTERMEDIATE ALGEBRA  
CRN  20293  Tu Th  8:40a.m. – 9:55 a.m.  Room  E1  105  
Instructor :  Pat Stinson  
EMAIL :  pstinson@pima.edu  
Office Hours:  By appointment immediately following class at 9:55 on TuTh  

COURSE PREREQUISITE  
To be enrolled in this class you must have taken the Pima Community College Math Placement Exam and scored high enough to begin your math courses at this level or have completed Math 92 at Pima or a similar course at another college and received a grade of  C  or higher.  

TEXTBOOK  
Intermediate Algebra for College Students, Robert Blitzer, (fifth edition)  

COURSE DESCRIPTION AND OBJECTIVES  
In Intermediate Algebra students will work with lines in a plane, basic algebraic functions, solve systems of linear equations, linear inequalities, work with polynomials and solve polynomial equations, work with rational expressions and equations, and radical expressions and equations. Students will solve quadratic equations using a variety of methods and work with various types of exponents as well as logarithms. Upon completion of the course, the student will be able to do the following:  

1. Calculate the slopes of lines; determine equations of lines, and graph lines.  
2. Given two points in a plane, find the distance and midpoint between them.  
3. Solve systems of linear equations in three variables algebraically.  
4. Solve compound inequalities in one variable and graph linear inequalities in two variables.  
5. Solve absolute value equations and inequalities.  
6. Factor polynomials using advanced techniques and solve related equations.  
7. Simplify rational expressions, including complex rational expressions.  
8. Solve rational equations involving quadratic equations.
9. Simplify radical expressions, convert between radicals and rational exponents, and solve radical equations.

10. Solve quadratic equations using completing the square and the quadratic formula; interpret the discriminant.

11. Graph parabolas.

12. Solve literal equations.

13. Convert between exponential and logarithmic forms.

14. Evaluate exponential expressions and logarithmic expressions.

15. Graph elementary exponential equations.

16. Define and identify a function and use function notation.

**GRADING**

It is possible to earn a total of 840 points during the course. Your goal is to earn as many points as possible. Points can be earned in the following manner:

- 3 Tests (150 points each) = 450 points
- Final Exam = 150 points
- Homework = 50 points
- Homework Quizzes = 100 points
- Participation Points = 90 points

**TESTS**

Three tests will be taken in the Testing Center near the library on the East Campus. The final exam will be taken in the class. The dates for all tests are listed in the assignment calendar. It is your responsibility to pay close attention to test dates so that you do not miss an opportunity to earn points. All students are expected to take tests as scheduled. There are no makeup tests and there are point penalties for tests taken after the scheduled deadlines.
HOMEWORK

Homework is assigned regularly. Detailed homework assignments and due dates are in the assignment calendar that accompanies this syllabus. Homework is your chance to practice what we have covered and learned in class. Math is like a sport. You have to actively work on it and practice to get better.

QUIZZES

Quizzes may be unannounced and will contain problems from or similar to homework problems that have been previously discussed. It is your responsibility to be in attendance and be up to date on homework so that you can take the quizzes and earn as many points as possible. There are no makeup quizzes for any reason.

PARTICIPATION

Students will be asked to work various problems in the class each day either individually or in groups. If you are not present in class you cannot get the points for participation. There are approximately 3 participation points per scheduled class day. If you are absent or arrive late you will miss participation points.

DETERMINING YOUR FINAL GRADE

Final grades will be assigned according to the following scale:

<table>
<thead>
<tr>
<th>Points Range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>752 or more</td>
<td>A</td>
</tr>
<tr>
<td>668 – 751</td>
<td>B</td>
</tr>
<tr>
<td>584 – 667</td>
<td>C</td>
</tr>
<tr>
<td>500 – 583</td>
<td>D</td>
</tr>
<tr>
<td>Less than 500</td>
<td>F</td>
</tr>
</tbody>
</table>

After each test during the semester you will receive an individualized progress report detailing the points you have accumulated. This report will include all points earned up to that time, so you should be able to keep an accurate record of your progress in the class. You must be earning a C or higher to receive a P for a grade. No grade of I will be given unless there is an extreme emergency that develops for a student, such as a long serious illness or military deployment. You may not proceed to the next course unless you earn a grade of C or higher in this class.
IMPORTANT DARES FOR WITHDRAWAL FROM THE COURSE

February 1, 2010  Last day to drop with a refund
April 8, 2010  Last day to withdraw with a W

ARE YOU HAVING DIFFICULTY OR FALLING BEHIND?

1. Make an appointment to see me during office hours for some one– on– one help.
2. Use the tutoring services available in the Library area at the East Campus. They have daily hours convenient for most students.
3. Use any video lessons that may have come with the text.
4. Exchange numbers with fellow students to arrange group study times. This course can be more fun when you study with friends.

SPECIAL NEEDS STUDENTS

Pima Community College provides reasonable academic accommodations to those students who qualify under the Americans with Disability Act (ADA). Appropriate medical documentation will be required to determine eligibility. Please contact the campus Disabled Students Resources (DSR) office at 206 – 7699 to begin the accommodation process. I am happy to accommodate any student with special needs as soon as I receive the proper documentation from the DSR office.

STUDENT RESPONSIBILITIES SUMMARY

Students in this course are expected to assume the following responsibilities:

1. When you are absent you should:
   a. notify me by email as soon as possible.
   b. cover the material from the missed class period on your own.
   c. be aware that an absence does not extend any homework, or test deadlines outlined in the syllabus.
2. All students should review the Pima Community College Code of Conduct and are expected to adhere to it in this course. The instructor as well as the students in this course shall act in a manner that insures a positive learning environment by treating each other with respect at all times.

3. No student should cheat on an exam or quiz. Cheating would consist of copying another person’s work, talking with another student during the exam, using unauthorized notes during the exam, using cell phones to text someone for assistance on an exam or copy questions from the exam, or using a calculator on portions of the exam that might prohibit the use of a calculator. Any student caught cheating or violating Testing Center rules will receive no points for that exam.
STUDENT ACKNOWLEDGMENT FORM

I have received my syllabus and assignment calendar for Math 122. I have read and understand the rules and expectations of this course and agree to follow them.

________________________________________________       _______________
Signature               Date

____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

STUDENT INFORMATION

Name _________________________________________________   (  please  print  )

What is the most recent math course you have taken, where did you take it and how do you feel you progressed in that course?

____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

In case I need to contact you during the semester for any reason, choose a preferred method of communication.

Email ________________________________ or Phone ________________________________