Pima Community College – East Campus

MAT 122: Intermediate Algebra  Spring 2008
Text: Intermediate Algebra 7th edition by Bittinger & Ellenboger
ISBN 0-321-378903
Math XL Student Access Kit

<table>
<thead>
<tr>
<th>Instructor: Shirley Gray</th>
<th>CRN: 23814</th>
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</thead>
<tbody>
<tr>
<td>Days: MW</td>
<td>Room: E3 305</td>
</tr>
<tr>
<td>Time: 2:40 – 5:20 p.m.</td>
<td>Email: <a href="mailto:shirleyma@msn.com">shirleyma@msn.com</a></td>
</tr>
<tr>
<td>Office Hrs: Before class</td>
<td>Voice mail: 206-6464 x</td>
</tr>
<tr>
<td>Make appointment or see me 1(\frac{1}{2}) hour before class</td>
<td>In subject line write Math 122</td>
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Course Description and Content:
This is an intermediate algebra course. Topics to be covered include functions; graphing; solving absolute value, rational, polynomial, radical, logarithmic and exponential equations and inequalities; solving systems of equations; other topics as time permits. Class time will be devoted to lecture, discussion, quizzes and group work.

Objectives: Upon completion of the course, students will be able to:
- Identify lines, equations of lines and graphs of lines.
- Write an equation of a line and, given two points in the plane, find the distance and the midpoint between them.
- Solve systems of linear equations in two and three variables algebraically.
- Solve inequalities, including compound inequalities, inequalities using absolute value, and linear inequalities in two variables.
- Factor polynomials using advance techniques; solve related equations.
- Simplify rational expressions and solve rational equations involving quadratics.
- Simplify radical expressions and solve radical equations. Convert between radicals and rational exponents.
- Solve quadratic equations by completing the square and using the quadratic formula; interpret the discriminant.
- Solve literal equations.
- Define a function and use function notation.
- Convert between exponential and logarithmic forms.
- Evaluate exponential and logarithmic expressions.
- Graph elementary exponential functions.
- Communicate the language of algebra orally, symbolically and in writing.

Prerequisite:
Completion of Math 92, with C or better, in the last 3 years; or appropriate placement on the Math Assessment Exam, also within the last 3 years.
Tentative Daily Schedule

<table>
<thead>
<tr>
<th>DATE</th>
<th>SECTION</th>
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</thead>
<tbody>
<tr>
<td>M 3/24</td>
<td>Intro. 1.3 – 1.5</td>
<td>M 4/21</td>
<td>7.1 – 7.3</td>
</tr>
<tr>
<td>W 3/26</td>
<td>2.1-2.3, 10.1</td>
<td>W 4/23</td>
<td>7.4 – 7.6</td>
</tr>
<tr>
<td>M 3/31</td>
<td>2.4 – 2.6</td>
<td>M 4/28</td>
<td>7.7, 7.8, 8.1</td>
</tr>
<tr>
<td>W 4/2</td>
<td>3.4–3.5, 4.1-4.2</td>
<td>W 4/30</td>
<td>8.2 – 8.4</td>
</tr>
<tr>
<td>M 4/7</td>
<td>4.2 – 4.4</td>
<td>M 5/5</td>
<td>8.6 – 8.8</td>
</tr>
<tr>
<td>W 4/9</td>
<td>5.1 – 5.4</td>
<td>W 5/7</td>
<td>9.2 – 9-3</td>
</tr>
<tr>
<td>M 4/14</td>
<td>5.5 – 5.8</td>
<td>M 5/12</td>
<td>Review</td>
</tr>
<tr>
<td>W 4/16</td>
<td>6.1 – 6.5</td>
<td>W 5/14</td>
<td>Final Exam</td>
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Important dates for Spring 2008 (2nd 8 week class)

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Monday, March 24</td>
<td>Classes begin</td>
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<tr>
<td>Monday, March 31</td>
<td>Add/drop/refund/audit deadline</td>
</tr>
<tr>
<td>Tuesday, April 29</td>
<td>Withdrawal deadline</td>
</tr>
<tr>
<td>Wednesday, May 14</td>
<td>Last day of class – FINAL exam</td>
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Attendance:

- You are expected to attend every class. If you miss a class for any reason, the responsibility to obtain notes, learn the material presented and complete the assignment coming to the next class prepared is yours. Any class handouts that you might have missed in your absence are available from me.
- Your absence from class does not change the due date of any assignment.
- Class begins at the scheduled time, please arrive promptly. If you are late to class, or must leave early, show respect for the instructor and classmates, and take a seat near the door.
- There are 16 class sessions (including the FINAL day) and each session is worth 10 points with a possible 10 point leeway. So attendance points will total 150. Points may be taken away for late arrival or leaving early as well.

STUDENT CODE OF CONDUCT:

Students in the Math 122 class are expected to adhere to the Pima Community College Code of Conduct. Please review this in the 2006 – 2007 Student Handbook. The instructor as well as the students in this course shall act in a manner that insures a positive learning environment and will treat each other with respect at all times. To this end, electronic devices, such as cell phones, CD players with headsets, ipods, and MP3 players are to remain out of sight and turned off while in class. Be respectful of others by keeping personal conversations outside. Cheating is a breach of trust and can be grounds for dismissal from class and a grade of Fail to be issued for the course. In addition, all rules of the Testing Center must be followed.
Testing Center Hours
Monday – Thursday: 8:15 a.m. – 7:00 p.m.
Friday: 8:15 a.m. – 4:30 p.m.

<table>
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<tr>
<th>Tests will be taken in the Testing Center:</th>
<th>Grades will be based on:</th>
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<tr>
<td>Test 1 – April 7, 8, 9, 10</td>
<td>Attendance 5%</td>
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<tr>
<td>Test 2 – April 21, 22, 23, 24</td>
<td>Homework 10%</td>
</tr>
<tr>
<td>Test 3 – May 5, 6, 7, 8</td>
<td>Exams 20% each = 60%</td>
</tr>
<tr>
<td>The FINAL will be in the classroom on May 14.</td>
<td>FINAL 25%</td>
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If the final exam score is higher than the lowest of the three exams, this lowest exam score will be dropped and, instead, the final will count 45%.

Accommodations for Students with Disabilities:
Pima Community College strives to comply with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act. Reasonable accommodations, including materials in an alternative format, are available to qualified students with appropriate disability documentation. To obtain accommodations, a student must be registered with a campus Disabled Student Resource (DSR) office. The East Campus DSR Office phone number is 206-7699. All disability-related information will be kept confidential.

HOMEWORK
All homework will be done on-line using MathXL. The Homework “due” dates correspond to each exam date, but since quizzes are based on homework, you will need to keep up daily. You may work on each assignment for credit until the “due” date; after this date, you can work on the homework but you can no longer get any more credit for it.

CALCULATORS
A graphing calculator is recommended but not required for this course. You will need a calculator which, at a minimum, can take square roots, evaluate exponents, exponentials, and logarithms. You will be allowed to use calculators on exams, with the exception of the TI-89, TI-92 and other calculators that contain computer-algebra systems.

INCOMPLETES AND WITHDRAWALS
The grade of I will be given ONLY to PASSING students who cannot complete a SMALL portion of the course for UNAVOIDABLE reasons.
You may withdraw from any course at Pima Community College with a grade of W through Monday, April 14. After this date, no withdrawals are possible. Students who stop attending class and who do not withdraw themselves will be awarded an F.
MATH XL

If you purchase a new text, the access code for MathXL is included. If you buy a used MATH XL book, you purchase a MathXL access code in one of two ways:

a. Go to the campus Bookstore and buy a stand-alone Student Access Kit for $40;

b. Gain immediate access to MathXL by purchasing online access using a credit card ($35). To purchase online access, please choose: http://mathxl.com/support/buying.htm

Then to enroll in your MathXL course, complete an easy, one-time registration process. To register:

a. Go to www.mathxl.com and click the Register button.

b. Enter your student access code in the fields provided. A sample access code looks like this: SMPLE-FRILL-TONLE-WEIRS-CHOIR-FLEES

c. Follow the on-screen instructions to complete the registration process.

d. Write, somewhere safe, your Login Name and Password.

After you have registered, you are ready to log in to MathXL and explore your online course. To log in and access your course:

a. Go to www.mathxl.com and enter the Login Name and Password you created during registration.

b. Select your school from the School menu: Pima East Campus

c. Select your instructor’s name and name of the course from the Instructor/Course menu: Shirley Gray and MATH 122 MW Spring 2008 CRN 23814.

Note that MathXL currently works on Windows only. If you have a newer Mac, you can install Windows and MathXL will then work fine.
Acknowledgement of Receipt of Syllabus

Please sign and return the following for Mrs. Gray's Intermediate Algebra MAT 122 CRN 23814 RM E3 305 MW 2:40-5:20 p.m.

Initial each of the following to which you agree.

_____ I have received my syllabus, which includes the course objectives, policies, requirements and schedule

_____ I have read and understand all of the syllabus policies and requirements

_____ I have no objection to receiving phone calls from the instructor at my home phone number

_____ I have no objection to receiving phone calls from the instructor at my cell phone number.

_____ I give permission for my instructor to email me regarding grades or information about the class

Student Information:

Signature: _________________________________________________

Date: ______________________

Full Name: (please print) _____________________________________________

Nickname for class purposes: _______________________________________

Home Phone: ____________ Cell phone: ________________

Email Address: ___________________________________________________

Is there any information about you that I would find interesting or helpful in teaching you? OR is there any trivia about you that I might find amusing or interesting? 😊