Instructor: Jakeisha Thompson

Email: jthompso@mdc.edu  Phone: 305-237-2608  Office: 3265-1

Office Hours

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:15 - 8:15am</td>
<td>11:15-12:30pm</td>
<td>7:15 - 8:15am</td>
<td>11:15-12:30pm</td>
<td>7:00-8:15am</td>
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<tr>
<td>11:00 - 1:15pm</td>
<td>2:05-2:40pm</td>
<td>11:00 - 1:15pm</td>
<td>2:05-2:40pm</td>
<td>9:00-9:50am</td>
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<td></td>
<td></td>
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<td>11:00-11:30am</td>
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Course web page  
http://faculty.mdc.edu/jthompso

Text  
College Algebra by Beecher/Penna/Bittinger 2e

Course prerequisites  
MAT 1033 or equivalent, or appropriate scores on placement test (CPT). Desire to learn College Algebra

Course scope  
MAC 1105 is a college level algebra course whose purpose is to provide students with a foundation in basic mathematics required in the natural and social sciences. In order to complete this course successfully, you must obtain at least a letter grade of C, as outlined in the grading policy below.

Course Objectives  
At the end of the semester, you should be able to:
1. Demonstrate knowledge of absolute value equations and inequalities
2. Demonstrate knowledge of systems of linear equations
3. Demonstrate knowledge of complex numbers
4. Demonstrate knowledge of quadratic equations and functions
5. Demonstrate knowledge of functions from a numerical, graphical, verbal and analytic perspective
6. Demonstrate knowledge of polynomial and rational functions and inequalities

Classroom Decorum  
In order to optimize your learning experience, classroom interruption must be kept to a minimum. Please make every effort to arrive on time and avoid causing an interruption if you need to leave early. Please turn your cell phone and/or pagers to a silent mode and avoid using them during class. In an emergency, you may excuse yourself and leave the classroom.

If the instruction or guest lecturer is late, you are expected to wait 15 minutes before leaving.

Attendance  
Attendance will be taken for all classes and will count towards your final grade (See Grading Policy). It is your responsibility to attend each lecture and keep records of assignments and other information delivered during class. The instructor reserves the right to drop any student who has excessive absences prior to March 16, 2005. After this date, it is your responsibility to ensure that you are enrolled in this course in order to receive a final grade.

Note: All dates are tentative. The instructor reserves the right to make changes to this syllabus with notification to the student.
**Academic dishonesty**
Any instance of academic dishonesty will result in a grade of **F** for the course and can carry an even more severe penalty such as suspension or expulsion. *Take pride in your own achievements, an unearned passing grade is not worth the paper it is written on.*

**Grading**
Final grades will be determined based on retention of points in the following categories:

<table>
<thead>
<tr>
<th>Categories</th>
<th>Total Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Tests</td>
<td>600</td>
</tr>
<tr>
<td>Error Analysis</td>
<td>60</td>
</tr>
<tr>
<td>Homework and Quizzes</td>
<td>320</td>
</tr>
<tr>
<td>Attendance</td>
<td>45</td>
</tr>
<tr>
<td>Final Exam</td>
<td>100</td>
</tr>
<tr>
<td><strong>Total Points</strong></td>
<td><strong>1125</strong></td>
</tr>
</tbody>
</table>

**Major Tests**
All tests are closed book and will consist of a total of 100 points each. Make-ups will only be given to those students who miss an exam with a valid excuse, i.e., a medical note or a university-approved excuse. Qualifying students must turn in a valid excuse within two class periods after returning to class to receive a Make-Up Approval Note. *All make-up exams will be given on Friday, April 22, 2005, from 6:00pm-7:00pm*

**Tentative Test Dates**
- Test 1: Jan. 14 (Friday)
- Test 2: Feb 7 (Monday)
- Test 3: Feb 25 (Friday)
- Test 4: Mar 16 (Wednesday)
- Test 5: Apr 6 (Wednesday)
- Test 6: Apr 20 (Wednesday)
- Final: TBA

**Error Analysis**
An Error Analysis is due within 1 week of receiving a graded test (unless otherwise instructed). Grades are assigned as follows:

<table>
<thead>
<tr>
<th>Points</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Assignments that are on time and complete</td>
</tr>
<tr>
<td>0</td>
<td>Assignments that are on time but incomplete</td>
</tr>
<tr>
<td>-5</td>
<td>Assignments that are not turned in</td>
</tr>
</tbody>
</table>

**Homework and Quizzes**
Either a quiz or a homework assignment will be turned in daily. Each assignment is worth **10 points**. Students who miss quizzes or fail to turn in homework assignments will be given a grade of zero. *No make-up quizzes will be given.* Homework assignments will be due periodically. *Late homework will not be accepted.* If you cannot attend a class period for which homework is due, please make arrangements to

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have the homework delivered to me or placed in my mailbox in the Math Department (3245) before the start of the class in which the homework is due.

Attendance
Each student begins with a total of **45 attendance points**. On the 2\textsuperscript{nd} missed absence, the student will begin to lose 1 attendance point for each missed class. After the 4\textsuperscript{th} missed absence, the student will begin to lose 2 attendance points for each missed class.

Final Exam
**The final exam is comprehensive and worth 100 points.** Final Grades will be given to all students before the week of finals. Those students who are satisfied with their final grade for the course may choose whether or not to take the final. For students who choose to take the final, if your final exam grade is higher one of your major tests, the lowest test grade will be dropped and your final exam grade will count twice.

<table>
<thead>
<tr>
<th>Total Points without Final</th>
<th>Letter Grade</th>
<th>Total Points with Final</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 917</td>
<td>A</td>
<td>&gt; 1006</td>
<td>A</td>
</tr>
<tr>
<td>814 - 916</td>
<td>B</td>
<td>894 - 1005</td>
<td>B</td>
</tr>
<tr>
<td>712 - 813</td>
<td>C</td>
<td>781 - 893</td>
<td>C</td>
</tr>
<tr>
<td>609 - 711</td>
<td>D</td>
<td>669 - 780</td>
<td>D</td>
</tr>
<tr>
<td>&lt; 609</td>
<td>F</td>
<td>&lt; 669</td>
<td>F</td>
</tr>
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</table>

You may request a grade of **I** (incomplete) only after the last date to drop the course with a **W** and **only if** you are passing the class at the time the request is made.

Extra Credit
Extra Credit is available to all students in the form of peer tutoring sessions. Students may pair up and enter into a Peer Tutoring Agreement. **For each hour of tutoring, both students will receive 1 point.** There is a limit of **5 points** that may be earned before each test. Peer Tutoring Record Sheets must be turned in on Test days with the signatures of both students. All necessary forms may be obtained from the course website.

Calculators
A **scientific calculator is required** for this course. The minimum level style is a 2-line screen readout, such as the TI-30X IIS or TI-34II. There are many models out there, if you have a question about the suitability of a model, please check with your instructor.

A **graphing calculator** is highly recommended for students continuing on to higher-level mathematics courses. (Business Calculus, Statistics, Pre-Calculus, Trigonometry, Calculus I, II, III ... etc.)

The minimal level graphing calculator in the Texas Instruments family would be the TI-84, TI-83, or TI-86. You might wish to investigate the differing products offered by TI at:


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On the site, check the links "Graphing calculator comparison" and "additional & discontinued calculators" in addition to the links for the most current models. Older models may be sufficient for your class and might be found at a substantially lower price on EBay or similar auction/selling sites.

While Texas Instruments calculators are most widely used in this department, there are other styles you might wish to consider. Other lines of graphing calculators:

- Sharp: http://www.sharpusa.com/products/TypeLanding/0,1056,15,00.html
- HP: http://www.hp.com/calculators/

Graphing calculator help for a variety of models may be found at:


Calculators may not be shared during exams.

**Online support**

Interactive practice exercises keyed to the odd-number exercises in your text (Beecher College Algebra 2e) at www.interactmath.com

**Complete online course at**

www.mymathlab.com

**Addison-Wesley Math Tutor Center** staffed by college math instructors offering tutoring by toll-free telephone, toll-free fax, email, and the net. Students may access this feature through their MyMathLab course.

**On-Campus support**

The Math/Science Study Center, located in room 3326, is available to you as additional support for your academic needs. Its operating hours are:

- Monday – Thursday: 9:00 AM – 9:00 PM
- Friday: 9:00 AM – 3:00 PM
- Saturday: 9:00 AM – 12:00 Noon

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