MATH 1203.102  MATH ANALYSIS FOR BUSINESS  12:30 – 1:50 TR  
Fall 2012  Room: BO 100

Instructor: Sandra Belcher  MML Course ID: belcher69469
Office/Phone: BO 118G  397-4413  E-mail: sandra.belcher@mwsu.edu
Office Hours: MWF 8:30 – 9:00, 11:00-11:30;  MW: 2:00 – 3:00;  TR: 8:30 – 9:30, 11:00 – 11:30, 2:00 – 3:00
Help is available every afternoon in Bolin 101:  Mon – Thurs 2:00 – 5:00, Friday 1:00 – 4:00
Prerequisite: Math 1003 (Intermediate Algebra) with a grade of “C” or better, or satisfactory score on placement exam.
Calculator: A graphing calculator is required for this course.

**Online Homework: MyMathLab is a required portion of this course.**

**Homework:** All homework will be done through the online program MyMathLab.  Homework assignments will be given daily. It is your responsibility to attempt all assigned problems and to come to class prepared to discuss the material.  Also, daily homework quizzes may be instituted at the discretion of the instructor.

**MyMathLab (MML):** This program is installed on the computers in Bolin 103 and 109, and in the Clark Student Center, Library, Dillard, and Bea Wood computer labs.  You may also choose to use your personal computer; however, you will need to download necessary plug-ins.  Online homework problems may be printed, and the answers entered at a later time.  Homework problems are also available from the book but these will not be graded.  The assigned problems represent a minimum number of problems to be worked.  You are strongly encouraged to work additional problems.

**Attendance:** You are expected to attend class, to arrive on time, and to remain in class until dismissed.  Obviously, the only way to accomplish the work required is to be present, both physically and mentally, at every class meeting.  Students may be dropped by the instructor for excessive absences (more than four) unless there are extenuating circumstances which are promptly communicated.  Please refer to the university’s official class attendance policy before deciding to discontinue attending class.

**Additional Assistance:** Please contact your instructor for extra help during this course.  Math help sessions are offered by the math department in room Bolin 101 every afternoon:  Mon – Thurs 2:00 – 5:00 and Friday 1:00 – 4:00.  A list of math tutors is also available from the secretary in Bolin 118.

*It is your responsibility to seek help when you are having difficulties with the material
–by asking pertinent questions during class and by taking advantage of posted office hours.
The formation of study groups can be very helpful and is encouraged.
Mathematics is not a spectator sport.  You can watch me do problem after problem during class,
but the only way that you will master the material is by working through problems yourself.*

**Syllabus:** The syllabus will include textbook sections to be covered, assigned MML homework, and exam dates.  Complete each homework assignment as shown on the schedule or as announced in class.  Be aware that it is sometimes necessary to modify an assignment or adjust dates.  Any such adjustment will be announced in class and will supersede any printed schedule.  If there is a discrepancy between an assignment due date on the printed schedule versus the online MML date, the MML due date is binding.

**Grading:** There will be three unit tests, a final exam, and a homework grade which will be generated from the MML assignments as well as any in-class quizzes.  The final course grade will be determined by the earned percentage of total possible points.

<table>
<thead>
<tr>
<th>Earned % of Total Points</th>
<th>Course Grade</th>
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<tbody>
<tr>
<td>90 - 100</td>
<td>A</td>
</tr>
<tr>
<td>80 - 89</td>
<td>B</td>
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<td>70 - 79</td>
<td>C</td>
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<tr>
<td>60 - 69</td>
<td>D</td>
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<tr>
<td>Below 60</td>
<td>F</td>
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</table>

**Make-up Policy:** If you absolutely must miss an exam, you need to notify me before the exam is given.  Make-up exams are generally not allowed, so a missed exam will result in a grade of “0”.  Per the instructor’s discretion, a make-up exam may be considered only in exceptional situations.  Make-up quizzes will not be given.

**Final Exam:** The final exam will be on Thursday, December 13, 2012 from 10:30 – 12:30

*Students should refer to the current MSU Student Handbook and Activities Calendar for university policies concerning academic dishonesty, class attendance, student rights and activities.*

***CELL PHONES AND PAGERS MUST BE TURNED OFF AND PUT AWAY DURING CLASS***

*ABSOLUTELY NO “TEXTING” DURING CLASS!*
### MATH ANALYSIS FOR BUSINESS: 1203.102

**Fall 2012  Mrs. Belcher 12:30 TR**

***MyMathLab (MML) Assignments for 100% credit must be submitted by 11:59 p.m. of the due date***

(*Late homework will be penalized & must be completed by 12:30 pm on test day for a maximum grade of 70%*)

<table>
<thead>
<tr>
<th>DATE</th>
<th>DAY</th>
<th>SECTION</th>
<th>TOPIC</th>
<th>DUE DATE</th>
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<tbody>
<tr>
<td>Aug 28</td>
<td>Tues</td>
<td>Intro</td>
<td>Policies/MML Registration</td>
<td>Orientation: Due 9/2</td>
</tr>
<tr>
<td>Aug 30</td>
<td>Thurs</td>
<td>1.1</td>
<td>Linear Equations/Inequalities</td>
<td>1.1(a) &amp; 1.1(b): Due 9/5</td>
</tr>
<tr>
<td>Sept 4</td>
<td>Tues</td>
<td>1.2</td>
<td>Graphs and Lines</td>
<td>1.2(a): Due 9/12</td>
</tr>
<tr>
<td>Sept 6</td>
<td>Thurs</td>
<td>1.2</td>
<td>Applications</td>
<td>1.2(b): Due 9/12</td>
</tr>
<tr>
<td>Sept 11</td>
<td>Tues</td>
<td>2.1</td>
<td>Functions</td>
<td>2.1: Due 9/16</td>
</tr>
<tr>
<td>Sept 13</td>
<td>Thurs</td>
<td>2.2</td>
<td>Graphs and Transformations</td>
<td>2.2: Due 9/23</td>
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<tr>
<td>Sept 18</td>
<td>Tues</td>
<td>2.2</td>
<td>Graphs and Transformations</td>
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<tr>
<td>Sept 20</td>
<td>Thurs</td>
<td>2.3</td>
<td>Quadratic Equations</td>
<td>2.3: Due 9/30</td>
</tr>
<tr>
<td>Sept 25</td>
<td>Tues</td>
<td>2.3</td>
<td>Quadratic Functions/Parabolas</td>
<td></td>
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<tr>
<td>Sept 27</td>
<td>Thurs</td>
<td>2.3/Review</td>
<td>Applications/Test Review</td>
<td></td>
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<tr>
<td>Oct 2</td>
<td>Tues</td>
<td>TEST # 1</td>
<td></td>
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<tr>
<td>Oct 4</td>
<td>Thurs</td>
<td>2.5</td>
<td>Exponential Functions</td>
<td>2.5: Due 10/10</td>
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<tr>
<td>Oct 9</td>
<td>Tues</td>
<td>2.6</td>
<td>Logarithmic Functions</td>
<td>2.6: Due 10/17</td>
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<tr>
<td>Oct 11</td>
<td>Thurs</td>
<td>2.6</td>
<td>Solving Exp &amp; Log Equations</td>
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<tr>
<td>Oct 16</td>
<td>Tues</td>
<td>3.1 – 3.2</td>
<td>Simple Interest</td>
<td>3.1: Due 10/21</td>
</tr>
<tr>
<td>Oct 18</td>
<td>Thurs</td>
<td>3.2</td>
<td>Compound Interest</td>
<td>3.2: Due 10/24</td>
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<tr>
<td>Oct 22</td>
<td></td>
<td>LAST DAY TO DROP WITH A “W”</td>
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<tr>
<td>Oct 23</td>
<td>Tues</td>
<td>3.3</td>
<td>Future Value of an Annuity: Sinking Funds</td>
<td>3.3: Due 10/31</td>
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<tr>
<td>Oct 25</td>
<td>Thurs</td>
<td>3.3 – 3.4</td>
<td>Future Value of an Annuity: Amortization</td>
<td>3.4: Due 10/31</td>
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<tr>
<td>Oct 30</td>
<td>Tues</td>
<td>3.4/Review</td>
<td>Future Value of an Annuity/Test Review</td>
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<tr>
<td>Nov 1</td>
<td>Thurs</td>
<td>TEST # 2</td>
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<tr>
<td>Nov 6</td>
<td>Tues</td>
<td>4.1</td>
<td>Review: Systems of Linear Equations in Two Variables</td>
<td>4.1: Due 11/16</td>
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<tr>
<td>Nov 8</td>
<td>Thurs</td>
<td>4.2</td>
<td>Systems of Linear Equations &amp; Augmented Matrices</td>
<td>4.2: Due 11/18</td>
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<tr>
<td>Nov 13</td>
<td>Tues</td>
<td>4.2</td>
<td>Augmented Matrices/Applications</td>
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<tr>
<td>Nov 15</td>
<td>Thurs</td>
<td>4.3</td>
<td>Gauss-Jordan Elimination</td>
<td>4.3: Due 11/25</td>
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<tr>
<td>Nov 20</td>
<td>Tues</td>
<td>4.3</td>
<td>Applications</td>
<td></td>
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<tr>
<td>Nov 22</td>
<td></td>
<td>No Classes – Thanksgiving Break</td>
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<tr>
<td>Nov 27</td>
<td>Tues</td>
<td>5.1 – 5.2</td>
<td>Systems of Linear Inequalities</td>
<td>5.1/5.2: Due 12/2</td>
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<td>Nov 29</td>
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<td>5.2/Review</td>
<td>Systems/Test Review</td>
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<td>Dec 4</td>
<td>Tues</td>
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<td>Dec 6</td>
<td>Thurs</td>
<td>Summary</td>
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<tr>
<td><strong>Dec 13</strong></td>
<td>Thurs</td>
<td>FINAL EXAM</td>
<td>10:30 – 12:30</td>
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