Math 1420 Fall 2013

Instructor: Joshua Oladele  
Email: joladele@memphis.edu  
Office hours: M 2:30 – 3:30pm and TR 10:00 - 11:00 am or by appointment.

Phone: 901-678-1372  
Office: Dunn Hall 370


Topics Covered:

1 Thinking Critically
2 Approaches to Problem Solving
3 Numbers in the Real World
4 Managing Money
5 Statistical Reasoning
7 The Basic Concepts of Algebra

Grading Policy: Grades will be calculated according to the following percentages:

<table>
<thead>
<tr>
<th>Test</th>
<th>200 Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>200 Points</td>
</tr>
<tr>
<td>Quizzes</td>
<td>100 Points</td>
</tr>
<tr>
<td>Final Exam</td>
<td>200 Points</td>
</tr>
<tr>
<td>Total</td>
<td>700 Points</td>
</tr>
</tbody>
</table>

Homework and quizzes will be taken online. You will access them on mymathlab. Each quiz will be opened at the end of each chapter for four day. You have one hour to do it. There will be no make-ups for the quizzes.

Test will be in the class as well as the final and no other electronic except calculator.

<table>
<thead>
<tr>
<th>Total Points</th>
<th>Letter Grade</th>
<th>Total Points</th>
<th>Letter Grade</th>
<th>Total Points</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>650-700</td>
<td>A</td>
<td>560-579</td>
<td>B-</td>
<td>470-489</td>
<td>D+</td>
</tr>
<tr>
<td>630-649</td>
<td>A-</td>
<td>540-559</td>
<td>C+</td>
<td>380-469</td>
<td>D</td>
</tr>
<tr>
<td>610-629</td>
<td>B+</td>
<td>510-539</td>
<td>C</td>
<td>0-379</td>
<td>F</td>
</tr>
<tr>
<td>580-609</td>
<td>B</td>
<td>490-509</td>
<td>C-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Any questions regarding grading/scoring must be made within one week of the return of the exam or no change in the grade will be made.

Make-up Policy:

No make-ups will be given without written evidence of an official University excused absence. (See University Student Rules.) If no such notice is given, the rights to a make-up are forfeited. In addition (and also in accordance with University Student Rules), a written excuse must be presented upon return to class. Specifically, in the case of illness or injury, students are required to obtain a confirmation note from a health care professional affirming date and time of a medical office visit regarding the illness or
Injury.

**Tentative Exam Schedule:**
- Test: Wednesday, October 9, 2013
- Final Exam: Friday, December 6-12, 2013.

Exam: Bring your picture ID with you to all exams. If you forget your ID, I will ask you to run get it before you can take the exam.

**Cell Phones:** Turn off all cellular phones, and remove the headphones when in the classroom. No cell phone calculator. Get the traditional calculator.

**Tutoring:** Free math tutoring center is located in Dunn 143.

**Homework:**
The homework will be on MyMathLab. Homework is an essential part of the learning process for any math course. The time spent on homework will vary, but a good rule of thumb is 2 hours for every hour spent in class, adding more time to prepare for exams.

**Student Disability Issues**
Any student who may need class or test accommodations based on the impact of disability is encouraged to speak with me privately to discuss your special needs. Students with disabilities should also contact Student Disability Services (SDS) at 110 Wilder Tower, 678-2880. SDS coordinates reasonable accommodations for students with documented disabilities. Information about a student’s disability is confidential. The SDS website is located at: [www.memphis.edu/sds](http://www.memphis.edu/sds)

**Academic and Classroom Misconduct:**
Please visit the following website to read about the university rule concerning academic and classroom misconduct [http://www.memphis.edu/studentconduct/misconduct.htm](http://www.memphis.edu/studentconduct/misconduct.htm)

**Attendance:** I STRONGLY suggest that you make every attempt to not miss a single day of lecture. Falling behind in this course can be very detrimental to your grade. There will be bonus points for 95% attendance, absence due to university assignment will be excused.

**The Course Contents:**

Chapter 1 Thinking Critically
- IA Recognizing Fallacies
- 1B Propositions and Truth Values
- 1C Sets and Venn Diagrams
- 1D Analyzing Arguments
- IE Critical Thinking in Everyday Life

Chapter 2 Approaches to Problem Solving
- 2A The Problem-Solving Power of Units
- 2B Standardized Units: More Problem-Solving Power
- 2C Problem-Solving Guidelines and Hints
Chapter 3 Numbers in the Real World

3A Uses and Abuses of Percentages
3B Putting Numbers in Perspective
3C Dealing with Uncertainty
3D Index Numbers: The CPI and Beyond
3E How Numbers Deceive: Polygraphs, Mammograms, and More

Chapter 4 Managing Money

4A Taking Control of Your Finances
4B The Power of Compounding
4C Savings Plans and Investments
4D Loan Payments, Credit Cards, and Mortgages
4E Income Taxes
4F Understanding the Federal Budget

Chapter 5 Statistical Reasoning

5A Fundamentals of Statistics
5B Should You Believe a Statistical Study?
5C Statistical Tables and Graphs
5D Graphics in the Media
5E Correlation and Causality

Chapter 7 The Basic Concepts of Algebra

7.1 Linear Equations
7.2 Applications of Linear Equations
7.3 Ratio, Proportion, and Variation
7.4 Linear Inequalities
7.5 Properties of Exponents and Scientific Notation
7.6 Polynomials and Factoring
7.7 Quadratic Equations and Application

The instructor reserves the right to make changes in the syllabus if necessary due to time constraints or other unforeseen events. If this is necessary, members of the class will be notified as soon as possible.