Math 1420-020 Spring 2015

Instructor: Joshua Oladele   **Phone:** 901-678-1372
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Office hours: MW 10:00 – 11:00 am and M 1:00 - 2:00 pm or by appointment.

Required Text: Using and Understanding MATHEMATICS: A Fifth Custom Edition for the University of Memphis.

Topics Covered:

6   The Real Numbers and Their Representations

7   The Basic Concepts of Algebra

1   Thinking Critically

2   Approaches to Problem Solving

3   Numbers in the Real World

4   Managing Money

5   Statistical Reasoning

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

Exam 1   100 Points
Exam 2   100 Points
Exam 3   100 Points
Homework   100 Points
Final Exam   100 Points
         Total   500 Points
Calculation for grade = (Total Point Obtained + Bonus)/500

Exam 3 will be Computer based Exam in the class, and only **traditional calculator** will be permitted in all exams.

Total Points	Letter Grade	Total Points	Letter Grade	Total Points	Letter Grade
460-500	A	400-409	B-	330-349	D+
450-459	A-	380-399	C+	270-329	D
430-449	B+	360-379	C	0-269	F
410-429	B	350-359	C-		

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 makeup tests will be given. If you must miss a test for any reason, your final exam grade may be used to replace the test missed. If you miss more than one test you will receive a zero on each test missed after the first. If you miss the final exam you will receive a grade of zero on the final exam. Each homework assignment will have a due date

assigned. If the homework is not completed by the due date, the student will receive a grade of zero on that assignment. No replacement grades will be possible for any homework assignments not completed by the due date. **It is very important that you do not miss any tests or quizzes or homework assignments.**

Exam Schedule:

Exam 1: Thursday, February 19, 2015

Exam 2: Thursday, April 9, 2015

Exam 3: Thursday, April 23, 2015 (Computer Based Exam)

Final Exam: Thursday, May 7, 2015;   8:00 – 10:00 am

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** during the exams. So, get the **traditional calculator**.

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

Homework:
The homework will be on MyLabplus.
Homework is an essential part of the learning process for any math course.

Bonus: The class work and the attendance count towards the bonus points. (25 points for attendance & 25 points for in class work).

Email Format: Subject: MATH 1420 – 020   Reason (example Homework). You must use the University email address. I may not reply your email if you fail to follow the instruction.

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

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

Attendance: I STRONGLY suggest that you make every attempt not to miss a single day of lecture. There will be bonus points for 90% attendance, only absence due to university assignment will be excused. **YOU MUST STAY FOR THE ENTIRE CLASS PERIOD TO BE ELIGIBLE FOR ANY BONUS POINTS.**

The Course Contents:

Chapter 6 The Real Numbers and Their Representations

> 6.1 Real Numbers, Order, and Absolute Value
> 6.2 Operations, Properties, and Applications of Real Numbers
> 6.3 Rational Numbers and Decimal Representation
> 6.4 Irrational Numbers and Decimal Representation
> 6.5Applications of Decimals and Percents

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

Chapter 1 Thinking Critically

IA Living in the Media Age
1B Propositions and Truth Values
1C Sets and Venn Diagrams
1D Analyzing Arguments

Chapter 2 Approaches to Problem Solving

2A Working with Units
2B Problem Solving with Units
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

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.