

Math 1420 Fall 2015

Instructor: Joshua Oladele

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Office hours: M 2:30 – 4:00 pm and W 2:30 - 3:30 pm or by appointment.

Phone: 901-678-1372

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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
Quiz	100 Points
Homework	100 Points
Final Exam	100 Points
Total	500 Points

Calculation for grade = (Total Point Obtained + Bonus)/500

Exams will be in the class as well as the final and only **traditional calculator** will be permitted.

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 Exams will be given. If you must miss an exam for any reason, your final exam grade may be used to replace the missed one. If you miss the first and the second exam then you will receive zero grade. If you miss the final exam you will receive a grade of zero on the final exam.

It is very important that you do not miss any exams or quizzes.

Exam Schedule:

Exam 1:

Exam 2:

Final Exam:

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 Mymathlab. 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. Homework is an essential part of the learning process for any math course.

Quizzes:

The quizzes will be online on ecourseware (elearn.memphis.edu). **There will be no make up for the quizzes.**

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

Email Format: Subject: MATH 1420 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
- 6.5 Applications 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

- 1A 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

Fall Break: October 10 – 13, 2015

Thanksgiving: November 25 – 29, 2015

Class End: December 2, 2015

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.