

Math 1420-006 Spring 2015

Instructor: Joshua Oladele

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Office hours: MW 10:00 – 11:00 am and M 1:00 - 2:00 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:

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:

Exam 1 100 Points

Exam 2 100 Points

Homework 100 Points

Quizzes 100 Points

Final Exam 100 Points

 Total 500 Points

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

Exam 1 & 2 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 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 homework assignments.

Exam Schedule:

Exam 1: Thursday, February 19, 2015

Exam 2: Thursday, April 9, 2015

Final Exam: Thursday, May 7, 2015; 5:30 - 7:30 pm

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.

Quizzes:

The quizzes will be online on MyLabplus. You will have 1 hr within 3 days to take it. There will be no make up for the quizzes but 80% of quizzes to be used for final grade.

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 – 006 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 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 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 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

Chapter 7 The Basic Concepts of Algebra

- 7.1 Linear Equations
- 7.2 Applications of Linear Equations
- 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.