

Instructor: Phillip Kisunzu, PhD

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Class Meeting Location: East 121

Time: From 5:55 PM-7:10 PM, MW

Office Hours: Exploratory Hall, Room 4309; By Appointment, 4:45 PM-5:45 PM, MW

Text: Mathematical Ideas, by Miller, Hereen and Hornsby, 12th *Custom Edition*, Pearson, 2012

Calculators: You may need a Scientific Calculator for the course.

Course Description: This course meets the quantitative reasoning requirement, one of the Foundation requirements of George Mason University's General Education program. The goal of the Foundation requirement is to help ensure that students are equipped with the tools and techniques necessary to succeed in college and throughout their lives and careers. The learning objectives for this requirement are:

1. Students are able to interpret quantitative information (i.e., formulas, graphs, tables, models, and schematics) and draw inferences from them.
2. Given a quantitative problem, students are able to formulate the problem quantitatively and use appropriate arithmetical, algebraic, and/or statistical methods to solve the problem.
3. Students are able to evaluate logical arguments using quantitative reasoning.
4. Students are able to communicate and present quantitative results effectively.

Based on the students' learning expectation above delineated above, your instructor will make every effort to help you grow into being:

- 1) **Confident** in developing your mathematical ideas and problem solving techniques;
- 2) **Flexible** with regards to the infinite paths you choose to develop your mathematical ideas and problem solving;
- 3) **Perceptive** with regards to the various ways you think about mathematical ideas and problem solving;
- 4) **Knowledgeable** about the great value of mathematical ideas in our society and our daily lives, regardless of our academic training and ultimately our professional experience.

Therefore, in light of these four observations, together in this course, we will strive to build strong *confident, flexible, perceptive*, and *math-value driven* MINDS. *Therefore, success to you all, always.*

Disability statement: If you are a student with a disability and you need academic accommodations, please see me and contact the Office of Disability Resources (ODR) at 703.993.2474. All academic accommodations must be arranged through ODR.

Tutoring Center: The Math Tutoring Center is located in the Johnson Center Room 344. Help is available on a walk-in basis. For hours of operation see <http://math.gmu.edu/tutor-center.php>

University Honor Code: You are expected to follow the GMU Honor Code <http://oai.gmu.edu/the-mason-honor-code/>

VERY IMPORTANT: NO cellphone use or texting are allowed during class at any time. If you must use your cellphone for an emergency, please quietly exit the room without disturbing your fellow students. Your instructor reserves the rights to ask you to leave the classroom AT ANY TIME if you use your cellphone or engage in texting during class time. This cellphone policy will strictly be enforced without exception.

Grading Scale System:

Your grade for this course will be calculated based on:

- Three exam, with 100 points each, for a total of 300 points.
- Six quizzes worth 10 points each for a total of 60 points. I will drop the lowest of the six.
- Homework worth a total of 50 points. I will select your best homework of 10 points each.
- A cumulative Final Exam worth 100 points.

Calculators: *A stand-alone scientific calculator is permitted in this course. By stand-alone, I mean that NO cellphones, NOR any other devices with internet connection capabilities shall be used at any time during a quiz, test, or exam.*

Please note that all quizzes and tests must be taken only on the specified dates for all students. NO make-up tests or quizzes will be given.

The grading scale will be as follows:

A: 90-100%

B: 80-89%

C: 70-79%

D: 60-69%

F: <60%.

MATH 106-017F17_MW: Tentative Class Schedule - Subject to Updates

WEEK#	DATE 2017-18	TOPIC	Assg. Due On Section:	Problems #:TBD
1	Aug 28 Aug 30	Introduction, Section 1.1 Section 2.1, 2.2	1.1	
2	Sep 04 Sep 06	LABOR DAY – UNIVERSITY CLOSED Section 2.3	2.1	
3	Sep 11 Sep 13	Section 2.4 Section 3.1, 3.2; QUIZ 1 – Covers 1.1 & 2.2-2.3	2.2 2.3	
4	Sep 18 Sep 20	Section 3.3 Section 3.4; 3.5; QUIZ 2 – Covers 2.4-3.2	2.4 3.1	
5	Sep 25 Sep 27	Section 3.6; Review for Test 1 – Chapters 1-3 TEST 1 – CHAPTERS 1-3	3.2 3.3 3.4	
6	Oct 02 Oct 04	Section 6.5; 7.1 Section 7.2; 7.3	3.5 3.6	
7	Oct 09 Tuesday Oct 10 Oct 11	Columbus Day – Monday Classes Meet on Tuesday, Oct 10 Section 7.5 Section 10.1; 10.2; QUIZ 3 – Covers 7.1-7.3	7.1 7.2 7.3 7.5	
8	Oct 16 Oct 18	Section 10.3 Section 10.4; 10.5; QUIZ 4 – Covers 7.5, 10.1-10.2	10.1 10.2 10.3	
9	Oct 23 Oct 25	Review for TEST 2 – CHAPTERS 7, 10 TEST 2		
10	Oct 30 Nov 01	Section 11.1; 11.2 Section 11.3	10.4 10.5	
11	Nov 06 Nov 08	Section 11.5 Section 12.1;12.2; QUIZ 5 – Covers 11.1-11.3	11.1 11.2 11.3	
12	Nov 13 Nov 15	Section 12.3; 12.4 Section 12.5; QUIZ 6 – Covers 11.5; 12.1-12.4	11.5 12.1	
13	Nov 20 Nov 22	Section 13.1; Review for TEST 3 – CHAPTERS 11-12 THANKSGIVING RECESS: Nov 22 – Nov 26	12.2 12.3	
14	Nov 27 Nov 29	TEST 3 CHAPTERS 11-12 Section 13.2; 13.3	12.4 12.5	
15	Dec 04 Dec 06	Section 13.4 Review for Final Exam: LAST DAY OF CLASS!!!	13.1 13.2 13.3	
16	Dec 11 Dec 18	READING DAYS : December 11 – December 12 FINAL EXAM – Monday, From 4:30 PM – 7:15 PM		