

**Instructor:** Phillip Kisunzu, PhD

**Email:** [pkisunzu@gmu.edu](mailto:pkisunzu@gmu.edu)

**Class Meeting Location:** Krug Hall, Room 204

**Time:** From 4:30 PM – 7:10 PM, R

**Office Hours:** Exploratory Hall, Room 4309; By Appointment, 3:15 PM – 4:15 PM, R

**Text:** Mathematical Ideas, by Miller, Hereen and Hornsby, 12<sup>th</sup> *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 106-013F17\_R: Tentative Class Schedule - Subject to Updates**

WEEK#	DATE 2017-18	TOPIC	Assg. Due On Section:	Problems #:TBD
1	Aug 31	Introduction, Section 1.1 Section 2.1, 2.2	1.1	
2	Sep 07	Section 2.3	2.1	
3	Sep 14	Section 2.4; <b>QUIZ 1 – Covers 1.1 &amp; 2.2-2.3</b>  Section 3.1, 3.2	2.2 2.3	
4	Sep 21	Section 3.3; <b>QUIZ 2 – Covers 2.4-3.2</b> Section 3.4; 3.5	2.4 3.1	
5	Sep 28	Section 3.6; Review for Test 1 – Chapters 1-3  <b>TEST 1 – CHAPTERS 1-3</b>	3.2  3.3 3.4	
6	Oct 05	Section 6.5; 7.1  Section 7.2; 7.3	3.5 3.6	
7	Oct 12	Section 7.5, <b>QUIZ 3 – Covers 7.1-7.3</b>  Section 10.1; 10.2	7.1 7.2 7.3 7.5	
8	Oct 19	Section 10.3; <b>QUIZ 4 – Covers 7.5, 10.1-10.2</b> Section 10.4; 10.5	10.1 10.2 10.3	
9	Oct 26	<b>Review for TEST 2 – CHAPTERS 7, 10</b> <b>TEST 2</b>		
10	Nov 02	Section 11.1; 11.2 Section 11.3	10.4 10.5	
11	Nov 09	Section 11.5; <b>QUIZ 5 – Covers 11.1-11.3</b> Section 12.1;12.2	11.1 11.2 11.3	
12	Nov 16	Section 12.3; 12.4 Section 12.5; Section 13.1; Review for TEST 3 – CHAPTERS 11-12 <b>QUIZ 6 – Covers 11.5; 12.1-12.4</b>	11.5 12.1	
13	Nov 22 Through Nov 26	<b>THANKSGIVING RECESS: Nov 22 – Nov 26</b>	12.2 12.3	
14	Nov 30	<b>TEST 3 CHAPTERS 11-12</b> Section 13.2; 13.3	12.4 12.5	
15	Dec 07	Section 13.4 <b>Review for Final Exam: LAST DAY OF CLASS!!!</b>	13.1 13.2 13.3	
16	<b>Dec 11</b>  <b>Dec 14</b>	<b>READING DAYS : December 11 – December 12</b>  <b>FINAL EXAM – Thursday, From 4:30 PM – 7:15 PM</b>		