

MATH 106-012 – Quantitative Reasoning

Fall 2017

PREREQUISITE: Specified score on Math Placement Test, or successful completion of self-paced Basic Math Program offered by Math Literacy Center

INSTRUCTOR: Mohammed Snoussi, Department of Mathematical Sciences

Email: msnoussi@GMU.EDU

Office: Exploratory Hall, 4th Floor, Room 4309

MEETINGS: M, W, F from 10:30 a.m. to 11:20 a.m.

OFFICE HOURS: 11:30 a.m. – 12:30 a.m. on Monday and Wednesday.

TEXTBOOK: “Mathematical Ideas” (Custom Edition for GMU) by Miller, Heeren and Hornsby. Purchase of the MyMathLab access code is optional but recommended.

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

MATERIAL: The course will cover an assortment of material contained in the following chapters:

Chapter 1 – The Art of Problem Solving

Chapter 2 – The Basic Concepts of Set Theory

Chapter 3 – Introduction to Logic

Chapter 6 – The Real Numbers and Their Representations

Chapter 7 – The Basic Concepts of Algebra

Chapter 10 – Counting Methods

Chapter 11 – Probability

Chapter 12 – Statistics

Chapter 13 – Personal Financial Management

Grading: The grade will consist of weekly quizzes given in class, three class tests, and a cumulative final exam (see below for date and time). These will count towards your grade as

follows: quizzes 15%, tests $15\% \times 3$, cumulative final exam 40%. The lowest two quiz grades will be dropped.

Class tests: The Class Tests will be scheduled as follows (although the dates may be modified later in the semester) will be held in class on the following days:

Test 1: Monday Sept 25

Test 2: Monday Oct 23

Test 3: Monday Nov 27

Final exam: It will be a cumulative exam, held on Wed, December 13, 10:30 am-1:15 pm.

Scale: A-:90-92, A:93-96, A+:97-100; B-:80-82, B: 83-87, B+:87-89; C:70-76, C+:77-79; D:60-69 F:0-59.

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 at 703.993.2474. All academic accommodations must be arranged through that office.

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/>