

Syllabus, Fall 2012
Math 106-007
Quantitative Reasoning

Instructor: Matthew Gerhart
Class Room: Krug Hall 204
Class Times: TR 12:00 – 1:15pm
Office: Exploratory Hall 4309
Office Hours: TR 10:50am – 11:50am
Email: mgerhart@gmu.edu

Text: Mathematical Ideas, by Miller, Hereen and Hornsby, *Custom Edition*, Pearson, 2012 (ISBN: 978-1-256-71962-5)

The textbook bundled with a MyMathLab access code can be purchased in the campus bookstore. Alternatively, the ebook and MyMathLab access code which will provide access to a digital version of the text and the on line tools can also be purchased online (<http://www.mymathlab.com>). It is recommended that you purchase the physical text as most students are more successful using a physical book, and we made the custom edition to reduce the total cost to you.

Course Description: This course meets the quantitative reasoning requirement, one of the Foundation requirements of the University 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.

Tests must be taken on these dates. NO make-up tests will be given

Grading: Your grade for the course will be calculated based on three exams, homework, and a final exam. The course grade will be as follows:

Tests: 20% each

Final: 30%

Homework 10%

The grading scale will be: A: 90-100%; B: 80-89%; C: 70-79%; D: 60-69%; F: below 60% .

+ or - may be attached to the grade for the upper or lower 2 points in each range

Homework: We will be using MyMathLab for online homework.

<http://www.pearsonhighered.com/educator/firstdayofclass/technology/disciplines/mathematics.page>

gerhart02819

Calculators: You will be able to use a Scientific Calculator for the course.

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/tutorcenter.htm>

University Honor Code: You are expected to follow the GMU Honor Code <http://academicintegrity.gmu.edu/honorcode/>

Below is a tentative schedule for this course

Week	Topic	Sections Covered
------	-------	------------------

1	Set Theory	Ch2
2	Set Theory	Ch 2
3	Logic	Ch 3
4	Logic TEST 1	Ch 3
5	Counting	Ch 10
6	Counting and Probability	Ch 10, 11
7	Probability	Ch 11
8	Probability TEST 2 Exponents and Scientific Notation	Ch 11
9	Statistics	Ch 12
10	Statistics	Ch12
11	Algebra Review and Regression Test 3	Ch7 and Ch12
12	Financial Math	Ch 13
13	Financial Math	Ch 13
14	Review FINAL EXAM – Thursday 12/12 from 10:30am to 1:15pm	