

Syllabus-Quantitative Reasoning -MATH 106-013-Fall 2018

Instructor: Thom Ales

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Office: Exploratory 4310

Office Hours: R 2:30-4:00 or by appointment

Classroom: Peterson Hall 1113

Class Time: Thursday 4:30-7:10

Text: Mathematical Ideas, 13th Edition, Miller, Heeren, Hornsby, Heeren. ISBN-13: 9781323919385. We will cover chapters 2, 3 and 10-13.

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.

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.

Homework: There is no graded homework, though you should do the problems assigned at the end of each chapter.

Quizzes: A quiz will be given at the beginning of every class on material learned in the previous one, with the exception of exam days. Quizzes will account for 15% of your grade.

Exams: There will be **three** exams given throughout the semester. They will be worth 20% of your final grade each. They are scheduled approximately for September 20th, October 18th, and November 15th. There will also be lecture on exam days.

Final Exam: There will be a cumulative final exam given on **Thursday, December 13th** from 4:30pm-7:15pm. The final exam with worth 25% of your final grade.

Attendance Policy: There is no attendance policy, but **make up work will only be given in extreme circumstances.** If you miss class, any graded work from that day will be recorded as a 0.

Additional Help: The Math Tutoring Center, located in the Johnson Center, Room 344, offers help Sunday through Friday. Hours can be found online.

Honor Code: All students are bounded by the GMU honor code. Failure to comply could result in failure of the course.

Office of Disability Service: If you think you need certain accommodations to take this course, contact the Office of Disability Services and set that up with them.

Thanksgiving: There will be no class on November 22nd because of Thanksgiving.