Syllabus for Math 1030-007: Introduction to Quantitative Reasoning

Class Time & Location: MWF 11:50am-12:40pm BEH S 102

ISBN-10: 0-558-69314-8

Instructor: Yuan Wang
Email: ywang@math.utah.edu
Office: JWB 219

Office Hours: Monday and Friday 1-2pm or by appointment

Prerequisites: C or better in Math 1010, or ACT 23+, or SAT 540+

Course Content: Chapter 1-4 and 8-10

Goals: At the end of the course a student should be able to:
• use Venn diagrams to examine relationships between sets and the validity of simple deductive arguments
• use an appropriate sentence to describe both the absolute and percent change in a given quantity and interpret such statements about the change
• use simple and compound units, making conversions when necessary, and develop accurate comparisons between units
• evaluate the impact of compound interest on simple financial decisions
• compare and illustrate the features of linear and exponential growth using practical examples
• determine simple areas, volumes, and explain the differential effect of scaling on perimeter, area, volume as well as some of the practical implications of scaling

Grading Policy:
• homework assignments 10%
• quizzes 10%
• 1 group project 20%
• 2 midterms (15% each) 30%
  (during the classes of Sep.28 and Nov.9)
• comprehensive departmental final exam 30%
  (Tuesday, December 11th 3:30-5:30)
Makeup exams will not be allowed except in the case of a documented emergency.

Calculator Policy: You can use any kind of calculator for homework/exams.

ADA statement: The American with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systemic learning, and psychiatric disabilities. Please contact me at the beginning of semester to discuss any such accommodations that you may require for this course.

Services and Facilities: The Math Center is located underground between JWB and LCB. In the math center you’ll find free tutoring, computer access, group study rooms, and individual study area.