

MATH 1001 - Quantitative Skills and Reasoning

Hours Credit: 3 hours

Prerequisites: None

COURSE INSTRUCTOR

Instructor: Nathan Rehfuss

Email: nrehfuss@westga.edu

Office: 111A Boyd

OFFICE HOURS

M, W 2:20-3:20

T, Th 1:00-2:00

F 10:50-11:50

REQUIRED COURSE MATERIALS

TEXT: *Thinking Mathematically, 6e*, by Robert Blitzer (Pearson/Prentice Hall)

Homework will be online through the free website Myopenmath.com. Make a student account as soon as possible and register for course number **43186**. Leave the enrollment key blank.

Courses Description

This course is an alternative in Area A of the Core Curriculum and is not intended to supply sufficient algebraic background for students who intend to take Pre-calculus or the Calculus sequence for science majors. This course places quantitative skills and reasoning in the context of experiences that students will likely encounter. It emphasizes processing information in context from a variety of representations, understanding of both the information and the processing, and understanding which conclusions can be reasonably determined.

Learning Outcomes

Upon successful completion of this course students will demonstrate the ability to:

1. Interpret a wide variety of quantitative information
2. Use mathematical reasoning to analyze quantitative information, and use it to reach conclusions in real-world contexts.
3. Understand how mathematics and quantitative reasoning are an integral part of society and history
4. Process information and develop procedures for solving problems.
5. Use different units and formats of numbers including metric system and percentages.
6. Understand and deal with uncertainty in mathematics
7. Be able to interpret and calculate financial information including interest and loans.
8. Understand and interpret statistical results found in the media and society.

COURSE ASSESSMENT

Students' mastery of course learning outcomes will be assessed using the following methods:

Homework (30%), 4 in-class tests (40%), and a cumulative final exam (30%). I will drop your lowest test score.

NOTE: Graphing calculators equivalent to the TI 83, 84, 85, and 86 will be allowed on the exams, as will scientific calculators. The TI-89 and other equivalent calculators will not be allowed. You must have a calculator – **phones must be put away during tests.**

Grading Scale:

90% - 100%:	A
80% - 89%:	B
70% - 79%:	C
60% - 69%:	D
<60%:	F

OTHER COURSE INFORMATION

Attendance is strongly encouraged. No extra credit will be given. If you know you cannot attend an exam, contact me at least 48 hours in advance and we may be able to make alternate arrangements. Otherwise no make-up tests or quizzes will be given.

To ensure confidentiality and timely response, all course-related email must originate from a westga.edu account and be addressed to my westga.edu email. FERPA prohibits me from discussing grades over email – if you have questions or concerns about your grade, please come to office hours or arrange an appointment.

COURSE POLICIES AND INFORMATION

University Policies and Academic Support

Please carefully review the following Common Language for all university course syllabi at the link:

<https://www.westga.edu/UWGSyllabusPolicies/>

It contains important material pertaining to university policies and responsibilities. Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester.

Academic Honesty

Tests are closed-book, closed note, individual assessments. Any attempt to cheat using notes, books, or communication with other students or outside sources will result in a grade of 0 and a report to school administration. You are welcome and encouraged to work with other students on the homework.

Definitions of academic dishonesty are defined in the student handbook:
www.westga.edu/handbook/

Disabilities Act/Accessibility for the Course

If you are a student whom is disabled as defined under the Americans with Disabilities Act and require assistance or support services, please notify me and provide me with a copy of your packet from Student Services. The university will provide you with resources for any audio/visual needs that you may have with the learning management system or course content.

Please contact UWG Accessibility Services for more information.

Student Conduct

Students are expected to abide by the guidelines detailed in the university catalog. Respect and courtesy are required of all students while in the classroom. **Silence all electronic devices** and respect your classmates by refraining from activities that might distract them.

IMPORTANT DATES:

<u>First Day of Class:</u>	Monday, January 7
<u>Drop Ends:</u>	Wednesday, January 9
<u>Last Day to Withdrawal with W:</u>	Wednesday, February 27
<u>Last Day of Class:</u>	Monday, April 29
<u>Final Exam Period:</u>	May 1-7 (see The Scoop for specific times)
<u>No classes:</u>	Monday, January 21 (MLK Day)
	Monday March 18- Friday March 22 (Spring Break)