

## MATH 1001 - Quantitative Skills and Reasoning

**Hours Credit:** 3 hours

**Prerequisites:** None

### **COURSE INSTRUCTOR**

**Instructor:** Nathan Rehfuss

**Email:** [nrehfuss@westga.edu](mailto:nrehfuss@westga.edu)

**Office:** 111A Boyd

**Office Hours: Monday** 9:50 – 10:50 AM

**Tuesday** 10:00 – 12:00 AM

**Friday** 1:10 – 3:10 PM

### **REQUIRED COURSE MATERIALS**

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

### **Course 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. Class will emphasize student participation, which has been shown to improve learning outcomes. 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**

For important policy information, i.e., the UWG Honor Code, Email, and Credit Hour policies, as well as information on Academic Support and Online Courses, please review the information found in the Common Language for Course Syllabi documentation at <https://www.westga.edu/UWGSyllabusPolicies/>

Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester.

### **Academic Honesty**

Quizzes and exams 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.

Definitions of academic dishonesty are defined in the student handbook:  
[www.westga.edu/handbook/](http://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:**

<b><u>First Day of Class:</u></b>	Monday, January 8
<b><u>Drop Ends:</u></b>	Wednesday, January 10
<b><u>Last Day to Withdrawal with W:</u></b>	Wednesday, February 28
<b><u>Last Day of Class:</u></b>	Monday, April 30
<b><u>Final Exam Period:</u></b>	May 2-8 (see <a href="#">here</a> for specific times)
<b><u>No classes:</u></b>	Monday, January 15 (MLK) Friday, March 9 (Math Day) March 19-24 (Spring Break)