

MATH 1001 - Quantitative Skills and Reasoning  
**Hours Credit:** 3 hours  
**Prerequisites:** None

### **COURSE INSTRUCTOR**

**Instructor:** Nathan Rehfuss  
**Carrollton Office:** 111A Boyd Hall  
**Newnan Office:** 116 Newnan Center  
**Email:** nrehfuss@westga.edu

### **OFFICE HOURS**

**Carrollton (111A Boyd):** Tuesday, 9:15 am-11:10 am and 12:45 pm-1:50 pm  
**Newnan (116 Newnan Center):** Wednesday, 12:30 pm-2:30 pm

Please feel free to drop by during any of the above times; you do not need an appointment. If you'd like to meet with me at any other time, email me and we can set up a meeting.

### **REQUIRED COURSE MATERIALS**

**TEXT:** *Thinking Mathematically, 6e*, by Robert Blitzer (Pearson/Prentice Hall). This text is an additional resource but is not actually required for this section of Math 1001.

Homework will be online through the free website Myopenmath.com. Make a student account as soon as possible and register for course number **62492**. Leave the enrollment key blank.

I strongly recommend you purchase a scientific or graphing calculator. The TI-30, TI 36, Casio 115, and Casio 991 are good contenders in the budget range. The TI-84 is the strongest graphing calculator allowed. The TI-89 and Nspire are **not** allowed on tests at UWG, nor is any other calculator with a computer algebra system. You can check out calculators from Ingram Library on the Carrollton campus if necessary.

### **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 unit tests (40%), and a cumulative final exam (30%). I will drop your lowest unit test score. All tests are multiple choice.

You can earn up to 5% extra credit by studying in the Math Tutoring Center at a rate of 0.5% per hour. Print a tutoring hours log from Courseden and have your tutor sign it after each section, then turn it in to me any time up until the final exam.

### **Grading Scale:**

[89%, ∞):	A
[79%, 89%):	B
[69%, 79%):	C
[59%, 69%):	D
[0%, 59%):	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 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. **Do not** message me on CourseDen or MyOpenMath – I will not see these messages.

## **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**

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. Any use of a phone or smart device during an exam is considered cheating. Cheating a second time will result in failing the course. Cheating on the final exam will result in failing the course.

You are encouraged to work with other students on homework and test review.

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.

### **Resources for Success**

The University makes several additional resources available to you to help ensure you succeed this semester.

**Center for Academic Success** – Call 678-839-6280 or email [cas@westga.edu](mailto:cas@westga.edu) to make an appointment. The CAS offers course-specific tutoring as well as help with studying skills.

**Math Tutoring Center** – Located in Boyd 205, the MTC is a computer lab staffed with tutors who can help you study or do homework. You do not need an appointment – just walk in and swipe your student ID. The MTC is open 9AM-7PM M-Th and 9AM-3PM Fri. Bring a MTC attendance form and have a tutor sign it to receive up to 5% extra credit in this class. You will receive 0.5% extra credit for each hour spent working in the MTC.

**Counseling Center** – If you are affected by stress, depression, anxiety, or other mental health concerns, UWG has counselors available to help. You can visit 123 Row Hall during business hours or call 678-839-6428 at any time for help.

## **IMPORTANT DATES:**

<b><u>First Day of Class:</u></b>	Tuesday, Jan. 7
<b><u>Drop Ends:</u></b>	Friday, Jan. 10
<b><u>Last Day to Withdraw with a W:</u></b>	Saturday, Feb. 28
<b><u>Last Day of Class:</u></b>	Thursday, April 23
<b><u>Final Exam:</u></b>	Monday, May 4, 2:00 pm-4:00 pm
<b><u>No classes:</u></b>	Monday, March 16 – Friday, March 20 (Spring Break) Monday, April 7 (Scholars' Day)

The following unit test dates are tentative and subject to change:

<b><u>Test 1:</u></b>	Thursday, Jan. 23
<b><u>Test 2:</u></b>	Thursday, Feb. 20
<b><u>Test 3:</u></b>	Thursday, March 12
<b><u>Test 4:</u></b>	Tuesday, April 21