MATH 1001 - Quantitative Skills and Reasoning

**Hours Credit:** 3 hours  
**Prerequisites:** None

**COURSE INSTRUCTOR**

**Instructor:** Wesley Gay  
**Office:** Boyd 111 B  
**Email:** wgay@westga.edu

**OFFICE HOURS:** Monday through Thursday 3:30 – 4:45

When e-mailing me make sure to include your name and the class that you are in (with time). For example:

Mr. Gay,

My name is Ray Comfort and I am in your QSR class that meets on T/R from 3:30 – 4:45. I was absent today and would like to know if you announced the date of our next test and if there is a homework assignment that I should be working on.

Thanks,

**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 via 6 chapter tests and 1 final.
ASSESSMENT GRADING

NOTE: No Graphing calculators will be allowed on the tests. You may use scientific calculators or basic calculators. You may not use your phone as a calculator. Phones need to be off or in silent mode and out of sight during testing periods.

Chapter 1 Test (10%)
Chapter 2 Test (12%)
Chapter 3 Test (12%) {3.1 to 3.4, possibly 3.5 -3.8}
Chapter 8 Test (12%) {8.1 to 8.5, possibly 8.6 - 8.8}
Chapter 11 Test (12%) {11.1 to 11.5, possibly 11.6 – 11.8}
Chapter 12 Test (12%) {12.1 to 12.4, possibly 12.5 – 12.6}
Comprehensive Final (30%)
TOTAL: 100%

Grading Scale:

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<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90% - 100%</td>
<td>A</td>
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<tr>
<td>80% - 89%</td>
<td>B</td>
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<tr>
<td>70% - 79%</td>
<td>C</td>
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<tr>
<td>60% - 69%</td>
<td>D</td>
</tr>
<tr>
<td>&lt;60%</td>
<td>F</td>
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OTHER COURSE INFORMATION

Attendance Policy: Attendance is encouraged, but not required. You are responsible for all information presented in any class that you miss. This includes but is not limited to the announcement of future test dates and material presented.

Make up Policy: I will give no make-up exams. If you miss a test(s), then your grade on the final examination will be used in place of the test(s) that you missed. If you miss the final you will receive a zero on it and all other missed test(s).

COURSE POLICIES AND INFORMATION

Upon completing the application for admission to the University of West Georgia, the student agrees to abide by the rules and regulations of the University. University regulations go into effect at the time a student enrolls and matriculates, and will continue until the time of graduation or withdrawal.

The Student Code of Conduct shall apply to conduct that occurs on University premises, at University sponsored activities, and to off campus conduct that adversely affects the University community and/or pursuit of its objectives. Each student shall be responsible for his or her conduct from the time of application for admission through the actual awarding of the degree, even though the conduct may occur before classes begin or after classes end, as well as during the academic year and during periods between terms of actual enrollment. The Student Code of
Conduct shall apply to a student’s conduct even if the student withdraws from school while a conduct case is pending.

University Policies and Academic Support

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

http://www.westga.edu/assetsDept/vpaa/Common_Language_for_Course_Syllabi.pdf

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.

*It is your responsibility to know and abide by these rules.

Academic Honesty

NOTE: ALL FORMS OF ACADEMIC DISHONESTY MAY BE REPORTED FOR PURPOSES OF DOCUMENTING THE TRANSGRESSION ON YOUR STUDENT RECORD.

Definitions of academic dishonesty are defined in the student handbook:

www.westga.edu/handbook/

*It is your responsibility to know what constitutes academic dishonesty. If caught, ignorance is not a valid defense.

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. (YOU ARE RESPONSIBLE FOR KNOWING THESE) Respect and courtesy are required of all students while in the classroom.

IMPORTANT DATES:

First Day of Class: Tuesday, January 9th
Drop Ends: Wednesday, January 10th
Last Day to Withdrawal with W: Wednesday, February 28th
Last Day of Class: Thursday April 26th
Final Exam Period: May 2-8 (see The Scoop for specific times)
No classes: Monday, January 15th
    March 19 – March 23 (Spring Break)