MATH 1001 Section 05 – Quantitative Skills and Reasoning

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

**COURSE INSTRUCTOR**

**Instructor:** Mr. Kyle Carter  
**Office:** Boyd 104 - D  
**Email:** kylec@westga.edu  
**Phone:** 678-839-5134

**OFFICE HOURS:**

Boyd 104 – D (On Campus):  
Tuesday 9:30 am – 11:00 am  
Thursday 9:30 am – 11:00 am

Online (in CourseDen):  
Wednesday 11:00 am – 1:00 pm

**TEXT AND OTHER REQUIRED COURSE MATERIALS.**

**TEXT:** Thinking Mathematically, by Blitzer (Pearson). We will use the textbook for homework and study purposes only.  
**CALCULATOR:** A calculator is required for this course.

**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 Precalculus or the Calculus sequences for mathematics and science majors. This course places quantitative skills and reasoning in the context of experiences that students will be likely to encounter. The course emphasizes processing information in context from a variety of representations, of both the information and the processing, and understanding which conclusions can be reasonably determined.

**LEARNING OUTCOMES**

Students should be able to demonstrate:  
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:
Daily Assignments/Participation: This portion of your grade will be assessed in the form of Daily Assignments. Most class periods, we will do a quick activity either at the beginning or end of class to help practice the concepts we have been learning. You can miss up to 4 Daily Assignments before your grade is adversely affected.

Homework: This portion of your grade is based on your completion of homework that covers the material before each test. Homework assignments are a great place to look for test questions. There will be four homework assignments through the semester, and you are free to work with classmates on homework assignments. Homework assignments may be turned in late, but late work will be penalized 10 points per week day late.

Tests: There will be 4 Tests that will be completed in class. We will review during the class period before each test as much material as possible what will be on the test. Tests cannot be taken late, so if you see that you are going to miss a test, please let me know ahead of time so that we can schedule a time to take it before the actual test is administered to the class.

Test 1 – Thursday, August 31st
Test 2 – Tuesday, September 26th
Test 3 – Thursday, October 26th
Test 4 – Tuesday, November 28th

Final Exam: There will be one Final Exam at the end of the semester, and it will be cumulative. We will review before the Final as much as time allows. The final for this class will be Thursday, Dec. 7, 11:00-1:00 pm

(The last day to withdraw from this class with a grade of W is September 29th)

GRADE BREAKDOWN

Daily Assignments/Participation: 10%
Homework: 15%
Tests: 50% (12.5% each)
Final: 25%

ASSESSMENT GRADING:

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

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 http://www.westga.edu/assets/Dept/vpaa/Common_Language_for_Course_Syllabi.pdf.
Academic Honesty
While some parts of this course may be completed in groups (such as the Homeworks and Daily Assignments), the Tests and Final are meant to be completed alone, without the help of any other person. Any serious form of academic dishonesty will be reported to the University. 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.