MATH 1001 - Quantitative Skills and Reasoning

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

**COURSE INSTRUCTOR**

**Instructor:** Mahdiyeh Soltaninejad  
**Office:** Boyd. 106-E  
**Email:** Mahdiyeh@westga.edu  
**Phone:** 678-839-4738

**OFFICE HOURS**

<table>
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<th>Monday</th>
<th>Friday</th>
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<td>3:15 PM- 5 PM</td>
<td>8:30 AM- 9:45 AM</td>
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Will be in MTC (Boyd. 205) on Wednesday 3:15 PM- 4 PM

**REQUIRED COURSE MATERIALS**

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

**Calculator:** scientific or graphing calculators will be permitted. Students will NOT be allowed to use phones/tablets/etc as a calculator substitute.

**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:

- **Exams:** There will be 4 in-class exams during the semester.
  
  **Students may not take an exam late. If a student misses an exam, for any reason, their final exam grade will replace the score.**
  
  **If a student misses more than one test, for any reason, the student will automatically receive a 0 for the 2nd/3rd/4th missed test.**
  
  **I will announce the dates of the test one week beforehand and it is student’s responsibility to make sure they know the dates of the test.**

- **Quizzes:** There will be 5 quick quizzes during the semester (10 minutes quizzes in the beginning of the class)

- **Final Exam:** There will be a comprehensive final exam at the end of the semester.
  
  **The final exam schedule is found in the SCOOP.**

**ASSESSMENT GRADING:**

In class quizzes: 25%
Tests: 50%
Final: 25%

**NOTE:** Graphing calculators equivalent to the TI 83, 84, 85, and 86 will be allowed on the exam, as will scientific calculators. The TI-89 and other equivalent calculators will not be allowed.

**Grading Scale:**

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

**Students are expected to come to class and be “present”. If you come to class to sleep, be disruptive, or use your phone, you may be asked to leave.**

**It is the student’s responsibility to catch-up on any missed material. You will not be permitted to have a copy of the instructor’s notes. It is your responsibility to find out any announcements/changes made during class.**

**COURSE POLICIES AND INFORMATION**

**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.

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/assetsDept/vpaa/Common_Language_for_Course_Syllabi.pdf.

**Academic Honesty**

**Any form of academic dishonesty will result in a failing grade for the assignment for the first offense (students will not be able to replace this grade). A second offense will result in a failing grade for the course. All forms of academic dishonesty will be reported.**

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. The following is also mandatory:

1) Cell phones and laptops will not be permitted in class, unless prior arrangements have been made with the instructor (emergencies, disabilities, etc). Continued use of cell phones/laptops will result in your dismissal of class.

2) Students are required to be courteous to others and the instructor. If a student is being disrespectful or disruptive, they will be asked to leave.

**IMPORTANT DATES:**

- **First Day of Class:** Monday, January 8
- **Drop Ends:** Wednesday, January 10
- **Last Day to Withdrawal with W:** Wednesday, February 28
- **Last Day of Class:** Monday, April 30
- **Final Exam Period:** May 2-8 (see The Scoop for specific times)
- **No classes:**
  - Monday, January 16 (MLK Day)
  - Friday, March 9 (MATH DAY - Math classes cancelled)
  - Monday March 19 - Friday March 23 (Spring Break)

**IMPORTANT NOTE**

I reserve the right to modify this syllabus at any time during the course of the term, particularly regarding the course schedule. If such a modification is substantial, I will reissue a revised syllabus and announce the change in class.