

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

Tuesday: 1-2 PM & 3-3:30 PM & 4:20-5:20 PM

Thursday: 1-2 PM & 3-3:30 PM & 4:20-5:20 PM

REQUIRED COURSE MATERIALS

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

--Calculator: 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.

--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.

In addition, since this course satisfies Area A2 of the Core, upon successful completion of the course:

- Students demonstrate a strong foundation in college-level mathematical concepts and principles.
- Students demonstrate the ability to apply symbolic representations to model and solve real-world problems.

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, the test can be retaken. To take an exam late, the student must contact the teacher within 2 days of the exam and schedule the exam during office hours only.

--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.

--The lowest test grade will be dropped at the end of the semester.

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

--The lowest quiz grade will be dropped at the end of the semester.

-Final Exam: There will be a comprehensive final exam at the end of the semester.

ASSESSMENT GRADING:

Exams: 60%

Quizzes: 15%

Final Exam: 25%

Grading Scale:

90% - 100%: A

80% - 89%: B

70% - 79%: C

60% - 69%: D

<60%: F

OTHER COURSE INFORMATION

-Homework:

Homework will be given but not assigned for a grade. Homework is for practice only but is very important in retaining information.

-Miscellaneous:

--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.

--If a student is absent from class, it is their responsibility to catch-up on any missed material. Students will not be permitted to have a copy of the instructor’s notes. If a student is absent from class, contact the instructor via email for any announcements and topics covered.

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

Any form of academic dishonesty will result in a failing grade for the assignment for the first offense. 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:

a) 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.

b) 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:

<u>First Day of Class:</u>	Wednesday, August 14
<u>Drop Ends:</u>	Tuesday, August 20
<u>Last Day to Withdrawal with W:</u>	Wednesday, October 9
<u>Last Day of Class:</u>	Friday, December 6
<u>Final Exam Period:</u>	December 7-13 (see The Scoop for specific times)
<u>No classes:</u>	Monday, September 2 (Labor Day) Thursday October 3 and Friday October 4 (Fall Break) Monday November 25- Friday November 29 (Thanksgiving)

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.