MATH 1001 - Quantitative Skills and Reasoning

UWG Spring 2020
Math 1001 Section 08: MWF 8:50-9:40
Math 1001 Section 22: MWF 9:55-10:45
Math 1001 Section 07: MWF 1:20-2:10

Hours Credit: 3 hours
Prerequisites: None

Note: This course satisfies Area A2 of the Core Curriculum

COURSE INSTRUCTOR

Instructor: Vitaliy Goncharenko
Office: Boyd Building RM 106E.
Email: vgonchar@westga.edu
Phone: 678-839-4738

OFFICE HOURS
MW 11:55 am-1:15 pm; F 10:55 am-1:15 pm

REQUIRED COURSE MATERIALS
TEXT: Thinking Mathematically, 6e, by Robert Blitzer (Pearson/Prentice Hall)
You are required to have a MyOpenMath online account for your homework assignments.

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:

**Homework** All homework assignments will be completed online through the MyOpenMath website. Be sure to understand all problems and be able to show all steps in the solutions if they are required. Each homework assignment is due on the corresponding chapter exam day and will not be available afterward.

**Website:** https://www.myopenmath.com/index.php

**Course ID:** 61793

**Enrollment key:** goncharenko61793

**Tests** There will be three in-class tests. All tests will be taken during the regular class time in the regular classroom. Books and notes will not be allowed on any tests. The lowest test grade will be replaced by the Final Exam. **THERE WILL BE NO MAKE UPS AFTER THE TESTS HAVE BEEN HANDED BACK.** We will have a review session before each test. In addition, each practice test will be posted in your CourseDen account. One regular narrow green scantron form will be required for each test and the final exam. NOTE: No extra-credit assignments of any kind will be offered during the course.

**Final Exam** There will be a comprehensive final exam at the end of the semester given in the regular classroom. The exam will be given as follows:

- MWF 8:50-9:40 class: Monday, May 4, 8:00-10:00 am
- MWF 9:55-10:45 class: Wednesday, April 29, 8:00-10:00 am
- MWF 1:20-2:10 class: Wednesday, April 29, 11:00 am-1:00 pm

**ASSESSMENT GRADING:**

*MyOpenMath Homework* 25%

*Tests* 50%

*Final Exam* 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

It is the student’s responsibility to catch-up on any missed material. It is your responsibility to get notes from your classmates.

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 (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 and the student notified. Academic dishonesty is defined as a student's use of unauthorized assistance with intent to deceive an instructor or other such person who may be assigned to evaluate the student’s work in meeting course and degree requirements.

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.
Math Tutoring Center

Located in Boyd 205, MTC has a number of computers and some math tutors who can help you in studying math courses.

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. Respect the rights, interests, and values of others
2. Respect the professionalism of the instructor
3. No talking to each other when the instructor is lecturing
4. No packing your possessions before the lecture is over
5. No sleeping or putting your head on your desk
6. Watch your language
7. Turn off ALL your electronic devices. This includes cell phones, CD players, etc. Conduct that disrupts the classroom environment will not be tolerated.

Class Schedule:

1/6 - 1/10  Intro; Chapter 1.1 and 1.2
1/13 - 1/17 Chapter 2.1 and 2.2
1/20 - 1/24 Chapter 2.3 and 2.4
1/27 - 1/31 Chapter 2.5; Review
2/3 - 2/7  Exam #1; Chapter 3.1 and 3.2
2/10 - 2/14 Chapter 3.3 and 3.4
2/17 - 2/21 Chapter 8.1 and 8.3
2/24 - 2/28 Chapter 8.4; Review
3/2 - 3/6 Exam #2; Chapter 11.1 and 11.2
3/9 - 3/13 Chapter 11.3 and 11.4
3/23 - 3/27  Chapter 11.5; Review
3/30 - 4/3   **Exam #3;** Chapter 12.1
4/6 - 4/10  Chapter 12.2 and 12.3
4/13 - 4/17  Chapter 12.4; Review
4/20 - 4/24  **Exam #4;** Final Exam Review
4/27   Final Exam Review

**IMPORTANT DATES:**

**First Day of Class:** Monday, January 6
**Drop Ends:** Friday, January 10
**Last Day to Withdrawal with W:** Friday, February 28
**Last Day of Class:** Monday, April 27
**Final Exam Period:** April 19-May 5 (see The Scoop for specific times)

**No classes:** Monday, January 20 (MLK Day)
               Monday March 16- Friday March 20 (Spring Break)