

MATH 1001 – Quantitative Skills and reasoning Sections 16/18

Fall 2019 Credit: 3 hours

Prerequisites: NONE. This course satisfies Area A2 of the Core Curriculum.

Class meets: Pafford 305 Mon/Wed/Fri 12:05 – 12:55pm

COURSE INSTRUCTOR

Instructor: Mr. Jim Bellon **Office:** Boyd 104C

Email: please contact me through CourseDen first, but if needed use jbellon@westga.edu

OFFICE HOURS: Mon/Wed 10:50am – 12pm and 4:20 – 5pm, Fri 9 – 9:50am and 2:15 – 2:45pm

REQUIRED COURSE MATERIALS

TEXT: The text is OPTIONAL (there will be class notes posted on CourseDen)
Thinking Mathematically, 6e, by Robert Blitzer (Pearson/Prentice Hall)

A calculator is REQUIRED (any scientific or graphing calculator is fine).

HW website: Students must register for FREE account at www.myopenmath.com
and join my course: CourseID 52328

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 the information, processing, and understanding which conclusions can be reasonably determined.

Learning Outcomes

1. Upon successful completion of this course students will demonstrate the ability to:
2. Interpret a wide variety of quantitative information
3. Use mathematical reasoning to analyze quantitative information, and use it to reach conclusions in real-world contexts.
4. Understand how mathematics and quantitative reasoning are an integral part of society and history
5. Process information and develop procedures for solving problems.
6. Use different units and formats of numbers including metric system and percentages.
7. Understand and deal with uncertainty in mathematics
8. Be able to interpret and calculate financial information including interest and loans.
9. Understand and interpret statistical results found in the media and society.
10. A strong foundation in college-level mathematical concepts and principles.
11. The ability to apply symbolic representations to model and solve real-world problems.

IMPORTANT DATES:

First Day of Class:	Wednesday, August 14th
Drop Ends:	Tuesday, August 20th
Last Day to Withdrawal with W:	Wednesday, October 9th
Last Day of Class:	Friday, December 6th
Final Exam:	Monday, December 9 th , 11am – 1pm
No classes:	Monday, September 2 nd (Labor Day) Friday October 4 th (Fall Break) Monday Nov 25 th – Friday Nov 29 th (Thanksgiving break)

COURSE ASSESSMENT and GRADING:

- Online HW assignments (avg counts 25%), the 2 lowest HW will be dropped.
**HW's are due 3 days after we finish covering that section (at end of the day).
- 4 written tests in class (avg counts 40%).
- In class group worksheets (avg counts 15%).
- Written Final exam (20%). Final exam will be cumulative.

Grading Scale: Final grades will be rounded to nearest whole %

90-100%: A 80-89%: B 70-79%: C 60-69%: D less than 60%: F

OTHER COURSE INFORMATION

Make-up policy: There are no make-ups for online assignments. You are expected to keep up with learning the material each day, completing assignments by the due dates, and getting help when needed. Make-ups for tests may be granted with a valid documented excuse, and only if you notify me before or on the day of the test.

Extra-credit policy: There will be NO extra credit given, period! All other points can be earned only as stated above.

Attendance Policy: Students are expected to pay attention to CourseDen calendar and check for assignments online. Failure to do so will result in missing assignments and maybe being dropped. Grades will not be altered for attendance. HOWEVER, students are expected to attend class and complete all work when assigned. Students are responsible for the topics covered and assignments due whether present or not. "I was not here" is NOT a valid excuse

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/administration/vpaa/assets/docs/facultyresources/common_language_for_course_syllabi_v2.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.

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 and Academic Honesty

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. Please do not talk or text on cell phone during the class. You are not allowed to use your phone as a calculator on tests. Please respect your instructor and other students in the class. No talking or any distracting behavior. If you fall asleep in class, you will be asked to leave. It is expected that students be familiar with the Student Conduct Code, Disciplinary Procedures and Disciplinary Sanctions in the Student Handbook. Cheating and/or any conduct that disturbs the classroom, the instructor, or the students WILL NOT be tolerated!! Any serious violations will be reported.

Meeting with Instructor: can be beneficial and is encouraged. Meeting should occur during the instructor's office hours, whenever possible. If these hours conflict with a student's schedule, then appointments should be made. The meeting time is not to be used for duplication of lectures that were missed; it is the student's responsibility to obtain and review lecture notes before consulting with the instructor. As your instructor, I am very concerned about the student's achievement and well-being and encourages anyone having difficulties with the course to contact me for extra help.

Math Tutoring: ** Offered by the math Department in Boyd 205, you can just walk in and get help. Hours are Mon/Tues/Wed/Thurs 9am-7pm, Fri 9am-3pm
There are 2-3 tutors on duty who will rotate between students. There are also textbooks and computers to use while you are in the tutoring center.

** Offered by the Center for Academic Success in UCC building. You will be assigned a 1-1 personal tutor, or attend available drop in sessions.

This is a tentative schedule of assignments and topics to be covered in class sessions. Changes will be made as needed. Once we finish a section, we will immediately move along to the next section. It is recommended that you read over text sections BEFORE we cover them in class. After we cover topics, you should complete assignments and do any extra practice or get help as needed. Don't wait until its too late (like after doing bad on a test).

8/14 – 8/16	Introduction, Sec 1.1 Reasoning, 1.2 Estimation
8/19 – 8/23	Sec 1.3 Problem Solving, 2.1 Sets Concepts, Sec 2.2 Subsets
8/26 – 8/30	2.3 Venn Diagrams, 2.5 Survey Problems Group worksheet #1 Friday 8/30
9/2 – 9/6	Monday 9/2 LABOR-DAY - No Class Review for test #1, Test #1 on Friday September 6th (chapters 1 and 2)
9/9 – 9/13	Sec 8.1 Percent & Tax, 8.2 Income Tax, 8.4 Compound Interest
9/16 – 9/20	Sec 8.5 Annuities, 8.6 Cars
9/23 – 9/27	Sec 8.7 Home Ownership, 8.8 Credit Cards
9/30 – 10/4	Group worksheet #2 Monday 9/30 Review for test #2 Friday 10/4 FALL BREAK no class
10/7 – 10/11	Test #2 on Monday October 7th (chapter 8) Sec 3.1 Logic Statements, 4.4 Early Number Systems
10/14 – 10/18	Sec 11.1 Counting Principle, 11.2 permutations, 11.3 Combinations, 11.4 Probability,
10/21 – 10/25	Sec 11.5 More Probability, 11.6 Odds, 11.8 Expected Value
10/28 – 11/1	Group worksheet #3 Monday 10/28 Review for test #3, Test #3 on Friday November 1st (sec 3.1, 4.4 and chapter 11)
11/4 – 11/8	Sec 12.1 Distribution/Graphs, 12.2 Measures of Center, 12.3 Dispersion
11/11 – 11/15	Sec 12.6 Correlation & Regression, Extra Topic: Converting Units
11/18 – 11/17	Group worksheet #4 Monday 11/18 Review for Test #4
11/25 – 11/29	THANKSGIVING BREAK
12/2 – 12/6	Test #4 on Monday December 2nd (chapter 12 and extra topics) FINAL REVIEW
Mon 12/9	FINAL EXAM (all chapters) 11am – 1pm in our classroom.