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 9th, 11am – 1pm
No classes:
Monday, September 2nd (Labor Day)
Friday, October 4th (Fall Break)
Monday Nov 25th – Friday Nov 29th (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).

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