Instructor: Mr. Ricky Johnson
Office: 106D Boyd Bldg., 1st Floor
Phone: (678) 839-4129
E-mail: rjohnson@westga.edu
Office Hours: MWF 2:00-3:00, Tu 10:00-1:00, Fri 10:00-12:00; or by appointment

Prerequisites: None.

Course Description: This course is an alternate in Area A of the Core Curriculum and is not intended to supply sufficient algebraic background for students who intend to take Precalculus 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.


MyMathLab: Homework assignments will be done online. All students are required to purchase a subscription to MyMathLab.com. This is a website which includes (along with the homework assignments) several useful resources that can help you with this course. To activate a subscription on MyMathLab.com, you will need to enter the following course ID when you register: johnson28218. To purchase the subscription, you can either buy an access code at the bookstore or pay directly on the website. The subscription lasts for one semester and also grants you access to an online version of the textbook. Therefore, a physical copy of the textbook is not required. Please use your UWG email address when registering.

Math Tutoring Center: Located in room 205 on the second floor of the Boyd Bldg, the MTC offers personalized help with math. No appointment necessary, just walk in.

Calculator: You will need a calculator for this course; any type will do.

Learning Outcomes: Students will be able to demonstrate a stronger understanding of:

1. Mathematical ideas
2. Appropriate usage of mathematical vocabulary, language, and notation
3. How to use mathematical reasoning to analyze quantitative information and develop procedures for solving problems
4. How to employ quantitative skills to critique mathematical arguments
5. How to interpret and calculate financial information including interest and loans
6. Of analyzing probability and statistical results in society
7. The pervasiveness of mathematics in college, career, and life in general

CourseDen: I will be using CourseDen at https://westga.view.usg.edu. to post any announcements and all grades – this includes tests, quizzes, final exam, and final grade. Please do not use courseDen to email me, use rjohnson@westga.edu instead.
**Homework Assignments:** There will be homework sets due weekly on the Mymathlab website. In most cases, there will be one homework assignment for each section of the text that we cover. Since we will cover multiple sections per week, there will be multiple homework assignments due each (usually all due the same day.) For the first set of online homework assignments, mymathlab will give you an unlimited number of tries to answer a problem correctly. After the first set, you will have 3 tries to get each problem correct. No extension on the due dates will be given, so plan your time accordingly. At the end of the semester the lowest 4 assignment scores will be dropped. If you have computer/laptop problems with Mymathlab, it is your responsibility to resolve them. There are computer terminals in the Library as well as the Math Tutoring Center.

**Tests:** There will be 5 tests throughout the semester. The test dates listed below are tentative and are subject to change. At the end of the semester, you will be allowed to retake one (and only one) test from the first four. To be eligible to retake a test, you must have an overall Mymathlab score of 70%. (Before the 4 lowest scores are dropped). Test retakes will cover the same topics but with different problems. You may also drop your lowest test score and replace it with the score you receive on the final exam if higher. For this reason, I do not allow make-up tests for any reason. Please be aware that the final exam is mandatory, no make-ups for any reason.

**Quizzes:** There will be approximately 4-6 quizzes throughout the semester. Most of the quizzes will be announced before hand; however there may be an unannounced pop quiz. Some of the quizzes will be group quizzes (i.e. you may discuss your solutions with each other); while other quizzes may be individual. The lowest quiz score will be dropped. Consequently, there will be no make-up quizzes for ANY reason.

**Vocabulary Journal:** The journal will consist of a list of mathematical terms, their definitions, and an example demonstrating the term’s concept. See handout for additional instructions.

**Practice Problems:** Practice problems from the textbook will be assigned to help you study the material covered in class. These problems are NOT to be turned in. They are for practice only. I will list the problem numbers on courseDen.

**Grading Policy:** Final grade will be based on the following scale: (A=90-100%, B=80-<90%, C=70-<80%, D=60-<70%, F=<60).

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Tests</td>
<td>45% (9% each)</td>
</tr>
<tr>
<td>Test 1</td>
<td></td>
</tr>
<tr>
<td>Test 2</td>
<td></td>
</tr>
<tr>
<td>Test 3</td>
<td></td>
</tr>
<tr>
<td>Test 4</td>
<td></td>
</tr>
<tr>
<td>Test 5</td>
<td></td>
</tr>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Vocabulary Journal</td>
<td>10%</td>
</tr>
<tr>
<td>Homework (Mymathlab)</td>
<td>15%</td>
</tr>
<tr>
<td>Final (Comprehensive)</td>
<td>20%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>
**Attendance:** Attendance is important in order to do well in this course. Roll will be taken at every class. If you are late and miss the roll, you are absent. If you miss a class, you are still responsible for all material you may have missed including lecture notes and announcements. If you miss a test, you may either retake it (if eligible as described above) or let the final exam score replace it. No make-up tests will be given for any reason. This includes the final exam.

**Other Course Policies:**
1. Cell phones should be set to an inaudible setting or turned off.
2. All electronic correspondence between student and instructor should be by way of your UWG email account.
3. Arriving late and leaving early is discouraged as it is distracting and disrespectful.
4. Additional course policies:

**Disabilities:** Students with documented disabilities (through West Georgia’s Disability Services) will be given all reasonable accommodations. Students must take the responsibility to make their disability known and request academic adjustments or auxiliary aids. Adjustments needed in relation to test-taking must be brought to the instructor's attention well in advance of the test (let me know at least 1 week prior to a test).

**Important Dates:**
- August 10-12: Open Drop
- August 10-15: Open Add
- September 5: Labor Day (no classes, offices closed)
- September 30: Last day to withdraw with a grade of W
- October 6-7: Fall Break; no classes
- November 21-25: Thanksgiving Break (no classes, offices closed)
- December 2: Last Day of Class
- December 5: Final Exam Monday, 11:00 am – 1:00 pm

The following sections of Blitzer’s book will be covered in this order (deviations may occur due to any unforeseen time constraints):

1.1 Inductive and Deductive Reasoning
1.2 Estimation, Graphs, and Mathematical Models
1.3 Problem Solving
2.1 Basic Set Concepts
2.2 Subsets
2.3 Venn Diagrams and Set Operations
2.4 Set Operations and Venn Diagrams with Three Sets
2.5 Survey Problems

Test 1

3.1 Statements, Negations, and Quantified Statements
3.2 Compound Statements and Connectives
3.3 Truth Tables for Negation, Conjunction, and Disjunction
3.4 Truth Tables for the Conditional and Biconditional
3.5* Equivalent Statements and Variations of conditional statements

Test 2

8.1 Percent, Sales Tax, and Discounts
8.2 Income Tax
8.3 Simple Interest
8.4 Compound Interest
8.5 Annuities, Methods of Saving, and Investments
8.6* Cars

Test 3

11.1 The Fundamental Counting Principle
11.2 Permutations
11.3 Combinations
11.4 Fundamentals of Probability
11.5 Probability with the Fundamental Counting Principle, Permutations, and Combinations

Test 4

12.1 Sampling, Frequency Distributions, and Graphs
12.2 Measures of Central Tendency
12.3 Measures of Dispersion
12.4 The Normal Distribution
12.5* Problem Solving with the Normal Distribution
12.6* Scatter Plots, Correlation, and Regression Lines

Test 5

*These sections covered if time permits