MATH 1001
Quantitative Skills and Reasoning

Course Instructor: Instructor: Mr. Kyle Carter
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Course Information:
Class: MATH 1001 - 12 (80506 - 3 credit hours)
Class Time: T/Th. 12:30pm-1:50pm
Room: Boyd Building 307

Office Hours:
Boyd 104 D: Tuesday: 3:30pm - 6:30pm (or by appointment)
Thursday: 3:30pm - 6:30pm
Boyd 205 (Math Tutoring Center): Friday: 11:00am-1:00pm

Course 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 Precalculus or the Calculus sequences for mathematics and science majors. This course places quantitative skills and reasoning in the context of experiences that students will be likely to encounter. The course emphasizes processing information in context from a variety of representations, of both the information and the processing, and understanding which conclusions can be reasonably determined.

Learning Outcomes: Students should be able to demonstrate:
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 Materials:
(ISBN 0321867327)
Calculator: A calculator is required for this course.

Grading:
Exams: There will be 4 exams for this course. We will review for each exam the class period before the exam is given. Each test is worth 12.5% of your grade, so all together, the exams are worth 50% of your final grade.

Exam 1: September 15
Exam 2: October 8
Exam 3: November 5
Exam 4: December 1

Class Participation and Homework: There will be daily (short) assignments in class, and there will be homework assigned regularly. This is designed to challenge you and help you stay active throughout this course. You can miss up to 5 daily assignments before your grade is adversely affected. Class participation (daily assignments average after dropping the lowest 5 grades) will count for 12.5% of your final grade, and homework will count for 12.5% of your final grade.

Final: There is a cumulative final that is worth 25% of your final grade. We will review for the final as time permits before you take it.

Location: Boyd Building 307
Time: Thursday, Dec. 10, 11:00-1:30 pm
Final grades determined as follows:

- 89.5 % and higher = A
- 79.5 % to 89.4 % = B
- 69.5 % to 79.4 % = C
- 60 % to 69.4 % = D
- Below 60 % = F

**Make-up policy:** There are no make-ups for daily assignments, so it is very important that you come to class every day. You are expected to keep up with learning the material each week, complete assignments by the due dates, and get 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 in this course. My desire is to make this course so accessible that extra credit is not needed. This course will still be challenging, but there are a number of free resources at your disposal, outlined at the end of this syllabus. Please utilize them.

**Attendance Policy:** There is no attendance policy in this class. However, I will assign in-class daily assignments every day, so you must come to class to succeed. If you ever need to miss class, you can contact me and I will let you know what you missed and what you should study to stay on track.

**Last Date to Withdraw:** *Wednesday, October 14th* Any student who withdraws after this date will receive a grade of “F”.

**Class Rules:** You are to turn off your cell phone during class. You are not allowed to use your phone as a calculator. 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. If there is any cheating on the exams, the students cheating will receive a zero for that exam. Any serious violations will be reported; appropriate actions will be taken and consequences will result.

Other course policies, including information regarding students with disabilities and the UWG Honor Code can be found at [http://tinyurl.com/UWGSSyllabusPolicies](http://tinyurl.com/UWGSSyllabusPolicies). You should read this at the beginning of every semester.

**Course Resources:**

- **The Math Tutoring Center:** Located in Boyd room 205, the Math Tutoring Center is open Mon/Tue/Wed 9am-8pm, Thurs 9am-7pm, and Fri 9am-3pm. This is a free tutoring resource that DOES NOT require an appointment. Please use this as there are upper-level students and faculty that can help you. There are also textbooks, solution manuals and computers for you to borrow while you are there.

- **Lecture Notes and Power Points:** I will upload lecture notes and power points to CourseDen as we progress through the course. If you must miss a class period, you can use these as a guide to see what we covered that day. They act as a skeleton for the course, so please do not skip class and think you will be okay just looking over these. You can and should use them for studying for tests.

- **Section Videos:** I have recorded quite a few videos that cover sections from the textbook. In these videos, I work out some of the problems from each section. Once again, this is not a substitute for class. This is only an extra resource if you have problems when you are studying. Please use these videos to supplement your course work and class periods.

- **Office Hours:** If you are having trouble, please feel free to come to my office during my office hours. I would be more than happy to work with you. Your success is why I pursued this career, so please let me help.
Online Practice: There is a great, FREE online resource: interactmath.com. You just log in and choose the text for this class. This gives you access to hundreds of practice problems that Interactmath will work you through.