Course Syllabus
Math 1001: Quantitative Skills and Reasoning
Fall Semester 2015
University of West Georgia

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Office Hours: Mon 8am–12pm, Tue 2–3pm, Thu 2–3pm, Fri 9am–1pm

Class Meetings: Tuesday and Thursday, Boyd _____ Time ________. These will consist primarily of lectures, activities and discussions. All reading will be assigned in advance of each class according to schedule.

Text/Resources:
- Scientific calculator (TI-30XI)  App version upon completion
- Student Resources. See text for student supplements.
- MyMathLab. Online platform. eBook included. Decide 1st week.
- Top Hat Student engagement subscription. About $25.

Prerequisites: None

Course Description:
This course is for students needing practical, comprehensive instruction, with a focus on life applications, college level study abilities, and clear understanding of mathematics for additional coursework, careers and everyday living.

University System Requirements:
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. Check your program of study or advisor for more information.

Topics:

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<th>Required Content</th>
<th>Review or Optional Content</th>
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<tr>
<td>Problem Solving and Critical Thinking</td>
<td>Number Representation and Calculation</td>
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<td>Set Theory</td>
<td>Number Theory and the Real Number System</td>
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<td>Logic</td>
<td>Measurement and Geometry</td>
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<td>Personal Finances</td>
<td>Algebra Equations and Inequalities</td>
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<td>Counting Methods and Probability Theory</td>
<td>Algebra Graphs, Functions, and Linear Systems</td>
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<td>Statistics</td>
<td>Mathematical Systems</td>
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<td>Modeling from Data</td>
<td>Voting and Apportionment</td>
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<td>Graph Theory</td>
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Emphases: Required content will be the focus. Some review may be included. Students will need to learn some sections by video or independent study.
Objectives: Besides developing and deepening your understanding of the topics mentioned above, there are some general skills you should improve upon along the way. These include:
- Proper preparation before class including how to read your text.
- Effective note-taking and active learning.
- Working at life-skill mastery through diligent assignment completion.
- Experience in practical application to current life.
- Computational fluency and financial literacy.
- Use of appropriate mathematical terms and language.
- Understanding of the pervasiveness of math in college and life.

Evaluation Procedures: Your understanding of the material and your progress toward the aforementioned objectives will be evaluated by frequent checks and six major exams. Assignment problems will be assigned regularly and will be collected and graded. Working the problems will help achieve lasting benefit. Be prepared to discuss them in the next class meeting. There will be a comprehensive final, 25% of grade.

Evaluation Criteria:
- Grades on all assessments will be based upon
  - Accuracy of information (including calculations and use of terminology).
  - Logic and clarity of arguments based on notes.
  - Neat progression of steps (having major steps down).
  - Correctness of grammar and spelling.
  - Diligence and timeliness of work.

Grades: A point system will be used. Your grade will be what you have earned over the total points possible. Grades will be updated frequently and reported in CourseDen. My scale for converting numerical grades to letter grades will be as follows:
- 90-100 A, 80-89 B, 70-79 C, 60-69 D, below 60 F

Your final grade will be based on Assign, Quizzes, Tests and Final. Quality assignment work will count as additional points. You may also earn up to three points of 'extra credit' by maintaining a superior record of attendance (that is no more than three absences of any kind from class meetings).

Important Policies and Electronic Communication Information:

1. Attendance is encouraged. If you must miss a class, remember that you are still responsible for any and all material you may have missed during your absence.
2. Tests must be taken at the prescribed times, except by permission from the instructor. Such permission will be given only under the direst of circumstances (serious illness, e.g.) and only if your request is granted before the test is given. Otherwise you will receive a score of zero for that test.
3. If you find yourself falling behind in the course, do not delay in seeking out assistance and/or advice from someone (the Instructor, a tutor, Center, etc.) competent in the subject area and who has your best interests at heart! The Math Tutoring Center is in Boyd #205 and is open daily at posted times.
4. Communication will be by CourseDen: email, grades, resources. Helpful!
5. Proper classroom effort is expected. Cell phones are to be off when not used for class.
6. Disruptions result in a student asked to leave the class. Additional policies below.

http://www.westga.edu/assets/Dept/vpaa/Common_Language_for_Course_Syllabi.pdf
http://tinyurl.com/UWGSyllabusPolicies