

University of West Georgia
Math 1001: Quantitative Skills and Reasoning N01
Spring Semester, 2019

Instructor: Sonal Patel	E-mail: spatel@westga.edu
Office: Boyd -106 A	Phone: (678) 839 - 4123
Class Meeting: Fully Online	MyMathLab Course Id: patel27628
Office Hours: T/R 10:45am – 12:30pm and Tuesday: 3:15pm – 4:00pm (or by appointment)	
Course web: (Course DEN) https://westga.view.usg.edu/	
MyMathLab Access: https://portal.mypearson.com/login	

Introduction:

For effectiveness in preparation, the course must necessarily be delivered in a manner that demands that students exhibit certain “Performance Enhancing Behaviors and Habits” that will be crucial to success. Hence every student is expected to closely adhere to certain Guidelines and Behavioral Expectations (such as doing online homework and quizzes) that in the long run are designed to produce excellence in performance. Students are expected to work independently with the highest standards of rigor, discipline, and accountability. This course is a web-enhanced course and independent studying and preparation are crucial to successful performance.

General Course Description:

From the course catalog: “This course is a general overview of mathematical concepts used in quantitative reasoning 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 ... Emphasis is on 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.”

Topics:

Proofs and Problem-Solving (Chapters 1 and 2): Inductive and deductive reasoning, direct and indirect proofs, disproof by counterexample, estimation/approximation, *Polya's* 4-step method of problem solving, logical operations, syllogisms.

Set Theory (Chapter 2): set notation, set cardinality, membership, and inclusion, families of sets, set operations, Venn diagrams, set identities, inclusion/exclusion principle, applications to logic and probability.

Logic (Chapter 3): Propositions, logical implication and equivalence, conditionals, logical quantifiers, categorical statements, negation, conjunction, disjunction, truth tables, syllogisms, valid and sound arguments.

Financial Math (Chapter 8): percent change, tax computations, simple and compound interest, annuities and installment loans.

Probability (Chapter 11): counting, permutations and combinations, probability distributions, laws of chance, odds.

Statistics (Chapter 12): Sampling, frequency distributions, graphs, Measures of central tendency, measures of dispersion, normal distributions, empirical rule

Components for Evaluation:**Online Tests (Four tests):**

Tests are worth 30% of your grade. All tests are open in MyMathLab from beginning of the semester (01/05) and due by last day of the semester (04/30) in MyMathLab. Each test has one attempt with 120 min. One lowest test score will be dropped.

Test - 1 will cover Chapter - 1 and 2

Test - 2 will cover Chapter - 3 and 8

Test - 3 will cover Chapter - 11

Test - 4 will cover Chapter - 12

Online Homework Assignments:

Homework assignments is worth 20%. All homework will be open from beginning of the semester (01/05) and due by last day of the semester (04/30) in MyMathLab. You have unlimited attempts with unlimited time to complete the homework. Three lowest homework will be dropped.

Online Quizzes:

Quiz is worth 25% of your final grade. You have quiz from each chapter. All quizzes will be open from beginning of the semester (01/05) and due by last day of the semester (04/30) in MyMathLab. You have 2 attempts with 75 min to complete each quiz. One lowest quiz score will be dropped.

Comprehensive proctored final exam:

The comprehensive final exam is worth 25% of your final grade. Final exam will be in the campus on designated classroom. No make-up final exam.

Date: TBA

Time: TBA

Classroom: TBA

Final Grade determined as follows:

90 – 100	A
80 – 89.9	B
70 – 79.9	C
60 – 69.9	D
<60	F

Important Dates:

First day of class:	5 th Jan 2018
Martin Luther King Holidays:	21 st Jan 2018
Spring Break:	18 th March - 22 rd March
Last Day of Class:	30 th April 2018

Required Materials:

Textbook: Blitzer, Robert, *Thinking Mathematically*, 6th Ed., Prentice Hall, 2015

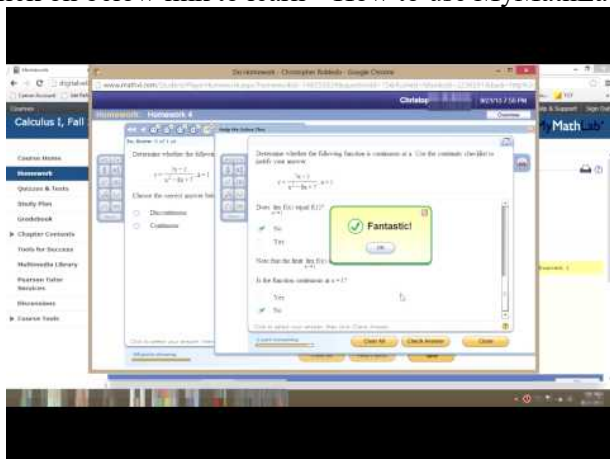
You do not have to purchase a hard copy of the textbook since an e-book is available on MyMathLab.

Calculator: TI-30XII or better.

Access to Course Compass (MyMathLab): Please visit

<http://www.pearsonmylabandmastering.com/northamerica/?cc> to register as a student in order to get access to this course. You will need the following required items as well:

- **Valid Email address:** This is the email address used by the instructor to communicate with students. Please check it daily.
- **MyMathLab Registration Instruction:** [Student Registration Handout patel59134.pdf](#)
- **Course ID:** patel27628
- Click on below link to learn “ How to use MyMathLab” : <https://youtu.be/sZU4ivx7VF8>



- **Student Access Code** (must be purchased by students online at <http://www.pearsonmylabandmastering.com/northamerica/?cc> or at one of the following Mercer University bookstores: Macon, Atlanta, Henry County, or Douglas County)
- **Temporary Access to the course:** Students can obtain temporary access to the course for a maximum of 14 days if they are not able to purchase the access code immediately.
- **Getting Started in MyMathLab:** After successful completion of registration process, please check for system requirements and login to your course.
- **Browser Check:** The first time you use MyMathLab on any computer, it is very important to run the Browser Check to install the plug-ins and players you need to access the multimedia content in your course.

- **Technical Support:** Please visit http://247pearsoned.custhelp.com/cgi-bin/247pearsoned.cfg/php/enduser/home.php?p_sid=1Tav-9Qj or call 1-888-695-6577, M – F, 8:00am to 8:00pm for any issues related to MyMathLab only.
- **Required components for using MyMathLab:** a) a Java/JavaScript enabled browser (<http://www.java.com/en/download/index.jsp>), and b) Acrobat Reader (<http://www.adobe.com/products/acrobat/readstep2.html>)

Note: We will access course den only on first week to begin our course. We will mainly use MyMathLab to access any online material, PowerPoints, Videos and announcements. You must become acquainted with MYMATHLAB syntax in order to enter answers in the correct format. Practice, practice, and more practice. For additional help, click on Chapter Contents in MYMATHLAB and then click on ‘How do I enter answers?’

Course Rules, Guideline and Policy:

Format: In addition to in-class instructional activities, the course materials including an e-book, PowerPoint presentations, videos, homework, and quizzes will be available online in MYMATHLAB. You can watch the videos, complete PowerPoint presentations (possibly multiple times), and develop your own study plan before doing homework and quizzes online. Having access to a high speed internet service is extremely important.

Video will be available on course den for each chapter.

Attendance: Your weekly log in to MyMathLab, at least one assignment on MyMathLab is necessary to show participation on the class.

Make up of Tests/Quizzes: Permissible only in exceptional cases, but you should initiate coordination with the instructor to do so ASAP. All the make-up tests should be taken within one week from the original date. No make-up for the final exam.

Homework, Quizzes, and Tests:

- Online homework will be assigned in MyMathLab. You are expected to complete the homework assignments on, or before, due dates. Homework that has not been attempted at all before the due date will be deemed past due and will receive a score of 0. (There is no limit on the number of attempts before the due date). All homework assignments must be completed by midnight, April 30, 2018.
- Online quizzes will be available in MyMathLab. Students are only allowed TWO attempts (if you don't like your score on the first attempt, you can retake the ENTIRE quiz a second time) and the computer will select the higher of the two scores and enter it into the final grade calculation for the course. All quizzes are open book and notes.
- Students will have only ONE attempt on the test. No makeup test is allowed.

Questions about grading: You can view your overall grade in MyMathLab. Overall grade represents your grade in the course.

Email: If using email, you must use your **university email** (@westga.edu) for any communication; also check your university email account for any announcement regarding the class. I will not respond to any non-university emails.

Assistant: 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, etc.) who is 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 the posted times.**

Disabilities: Students with a documented disability may work with UWG Accessibility Services to receive essential services specific to their disability. All entitlements to accommodations are based on documentation and USG Board of Regents standards. If you need course adaptations or accommodations because of a disability or chronic illness, or if you need to make special arrangements in case the building must be evacuated, you should notify me in writing and provide a copy of your Student Accommodations Report (SAR), which is available only from Accessibility Services. I cannot offer accommodations without timely receipt of the SAR; further, no retroactive accommodations will be given.

Special Note:

- You may click the following to view University of West Georgia Syllabus Policies.
<http://tinyurl.com/UWGSyllabusPolicies>.
- You can find all of your scores including Quiz, Homework, Test, Final, and the overall Total score under <https://westga.view.usg.edu/>.
- Common language of course syllabi:
<https://www.westga.edu/administration/vpaa/common-language-course-syllabi.php>