Math 255—Fall 2017

Pre-Algebra

CN: 30113

Instructor: Simon Temmerman

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Lecture	MWF—1:00-2:25pm	**Office Hours S-11**	T-Th 11:30-12:00, 1:00-2:00
Location	OAB 278		MF 2:30-3:00pm
Phone	Ext 8028	**GRASP S60A**	9:00-10:00am

Prerequisites: Math 260 with a grade of ”C” or better, or Math Placement equivelent.

Text: *Prealgebra (Sixth Edition)* with My Math Lab
Authors: Jamie Blair — John Tobey — Jeffrey Slater — Jenny Crawford

Online Access: My Math Lab is **required**. Sold with textbook or seperately.
If it is not purchased by the end of week 4, you are subject to being dropped
from the class. Registration closes at the end of week 4.

Course Description

Math 255 is a five-hour-a-week course which focuses on the fundamental operation of whole and signed numbers, fractions, mixed numbers, decimals, and their use in applied problems. Other topics include factors and multiples, ratios, proportions, introductory algebra, percents, unit conversions, and geometric measurements. All topics are taught with a pre-algebra perspective.

Chapter 1 $\rightarrow$ Whole Numbers and Introduction
    to Algebra
Chapter 2 $\rightarrow$ Integers
Chapter 3 $\rightarrow$ Introdution to Equations and
    and Algebraic Expressions
Chapter 4 $\rightarrow$ Fractions, Ratio, and Proportion

Chapter 5 $\rightarrow$ Operations on Fractional
    Expressions
Chapter 6 $\rightarrow$ Polynomials
Chapter 7 $\rightarrow$ Solving Equations

Chapter 8 $\rightarrow$ Decimals and Percents
Chapter 9 $\rightarrow$ Graphing and Statistics

Student Learning Objectives

1. Use signed numbers with the order of operations and in evaluating algebraic expressions. - Instructor generated test.
2. Simplify algebraic expressions. - Instructor generated test.
3. Solve linear equations and inequalities in one variable. - Instructor generated test.
4. Given an application problem, students will a. Read the problem and identify the question. b. Identify the unknown(s). c. Draw a diagram or table (where possible). d. Select a method of solution. e. Use algebraic methods to solve and check the solution. f. Write a concise answer to the question. - Instructor generated test.
5. Simplify exponential expressions using whole number exponents. - Instructor generated test.
6. Add, subtract, and multiply polynomials (of a least two terms) in one variable. - Instructor generated test.

Grading

Grading will be based on exams, quizzes, and homework. Exams will cover roughly one to two chapters, with the exception of the final; the final exam will be cumulative. Grading is as follows:

Scale (minimum %)	A $\rightarrow$ 90	B $\rightarrow$ 80	C $\rightarrow$ 70	D $\rightarrow$ 60	F $\rightarrow$ 0
Points Distribution	Exams $\rightarrow$ 55%	Quizzes $\rightarrow$ 10%	Homework $\rightarrow$ 15%	Final Exam $\rightarrow$ 20%	

Homework and Quizes

Homework and Quizes are is to be completed at MyMathLab.com. When a section is complete, HW and Quizes are due the next class session day at midnight. No LATE HW or Quizes will be accepted. Twice during the semester I will open up every HW assignment and Quiz at which time you can make up any HW assignment or Quiz. At the end of the semester, I will drop the lowest 5 HW assignments and the lowest 1 Quizes.

Attendance

Any students absent for a total of eight or more class hours in the first 3 weeks is **subject** to instructor drop. In general, dropping the course is **your** responsibility and you should never assume that you will be automatically dropped; if you do not drop the course by the drop date September 4 (On Webadvisor), you will receive a minimum of a W or a letter grade in the course. If you do not drop by October 13, you will receive a letter grade in the course. College policies on attendance, illness, dropping a class, and other related areas may be found in the fresno City College Catalog.

Makeups

There is no makeups in this course. If you know of a date that you cannot attend class, I may arrange for you to take the exam or quiz early if I am notified in a sufficient amount of time.

Additional Help

The best way to receive additional help is to utilize office hours, ETC (extending the classroom),GRASP (teacher help), or the tutorial center. There is no substitute for one on one help that is available through all those mediums. As many students from various classes may simultaneously arrive at these places of help, please have your questions ready in advance. We know also have available NET TUTOR on Canvas. It is 24/7 available online help by tutors who have a minimum of a bachelors degree in math. This service is FREE to all FCC students (usually $25 an hour).

Preparation for class

It is vastly beneficial to pre-read all material prior to class so that lecture fills in the gaps, rather than learning material for the first time. Complete assignments prior to class noting question you may have for class. There are videos available for every section of the book at MyMathLab.com. Watching these videos prior to class will vastly benefit you and allow you to fully understand the material in class.

In class

Participate as much as possible as this will not only greatly enhance your learning, but will also make mathematics much more enjoyable. I encourage student discussion and helping each other. Please be prepared in class which means having a text, writing utensil, and completed assignments each class meeting.

Assignments

Assignments are given for each section of the chapters presented in the course. The assignments vary in length depending on the material covered in class. Homework is assigned through MY MATH LAB. NO LATE ASSIGNMENTS WILL BE ACCEPTED! Consistent and timely completion of assignments is essential to the successful completion of the course.

Cheating and Plagiarism

Cheating or plagiarism will be dealt with in accordance to the Student Code of Conduct which includes consequences ranging from reprimand to expulsion.

Suggestions

Learning Mathematics takes place in two parts. Studying lecture notes and the text is the first stage. Attending lecture greatly increase your ability to comprehend the material. Use the examples as a guide rather than a rote memorization process. Try to understand why things are true rather than just copying step per step. Stage two, the most critical stage, is as simple as doing homework problems. Over 13 years of teaching has shown me an astounding correlation between those who do homework and those who do well in my classes. Doing math is 80% of learning math. Grapple with the problems and beat them as opposed to the other way around. Push your mind and you will surprised at its ability to comprehend. Working with other students or in groups can also be key to your success and I encourage you to work together.

DSP and S

Students with disabilities who qualify for academic accommodations must provide a letter from the DSP&S and discuss specific needs with the professor, preferably during the first two weeks of class. DSP&S determines accommodations based on appropriate documentation of disabilities.

Tentative Schedule

Week 1	1.1, 1.2, 1.3, 1.4	Week 10	5.7, 6.1, 6.2, 6.3
Week 2	1.5 1.6, 1.7, 1.8, 1.9	Week 11	6.4, 7.1, 7.2,
Week 3	2.1, 2.2, 2.3	Week 12	7.3, 7.4, 7.5
Week 4	2.4, 2.5, 2.6	Week 13	8.1, 8.4, 8.6
Week 5	3.1, 3.2, 3.3	Week 14	8.8, 8.9, 9.2
Week 6	3.4, 4.1, 4.2	Week 15	9.3, 9.4
Week 7	4.3, 4.4, 4.5	Week 16	Review Week
Week8	4.6, 5.1, 5.2	Week 17	Review Week
Week 9	5.3, 5.4, 5.5	Week 18	Finals Week

Final Exam

1:00-2:50pm—December 11 (Monday), 2017.

*Please turn your phones and any other electronic devices off prior to the start of class