Angelo State University-Dual Credit
Fall 2021-Math 1314-College Algebra
Instructor: Mark Butz

Room 618  Tutorials M-F 7:50-8:10

Textbook: Precalculus, 5th edition   Robert Blitzer

Credit: 3 semester hours

Student Learning Objectives:

1. Students will demonstrate factual knowledge including the mathematical notation and terminology used in this course.
   Students will read, interpret, and use the vocabulary, symbolism and basic definitions used in College Algebra including the real numbers, exponents, radicals, polynomials, factoring, functions, equations, inequalities and graphs.

2. Students will describe the fundamental principles including the laws and theorems arising from the concepts covered in this course. Students will identify and apply the laws and formulas that result directly from the definitions. For example, the student should be able to write and apply the quadratic formula, rules of exponents, and properties of logarithms.

3. Students will apply course material along with the techniques and procedures covered in this course to solve problems. Students will use the facts, formulas and techniques learned in this course to simplify algebraic expressions, graph functions, and solve inequalities, equalities and systems of equations.

4. Students will develop specific skills, competencies, and thought processes sufficient to support further study or work in this field or related areas. Students will acquire a level of proficiency in the fundamental concepts and applications necessary for further study in academic areas requiring college algebra as a prerequisite, or for work in occupational fields requiring a background in college algebra. These occupational fields might include education, business, finance, marketing, computer science, physical science, engineering as well as mathematics.
Schedule of Tests and Associated Book Chapters:

Chapter P: 9 sections   Test 1
Chapter 1: 10 Sections  Test 2
Chapter 2: 8 sections and Ch. 3.1 and 3.2   Test 3
Chapter 3.3 to 3.5 and Ch 7: 6 sections  Test 4

Grading Policy:

1. There will be four tests, each worth 15% of the total grade. The final exam will be worth 20%. If your final exam grade is greater than your lowest test score it will replace that score.
2. There will be approximately 10 quizzes which will total 10% of your final grade.
3. Homework will be assigned from the book and graded. If it is assigned on Tuesday, for example, it will be due at midnight on Thursday. That means you will be able to work on it during class on Tuesday, Wednesday and Thursday, as well as evenings. Homework assigned on Thursday or Friday will be due Monday or Tuesday at midnight respectively. If it isn’t submitted to schoology by the time it is due, it is a zero. No late homework will be accepted unless you were absent on the day it was assigned. The homework average will count as 10% of your total grade.
4. Homework guidelines:
   a. Work must be neat and well organized.
   b. Work can be done in pen or pencil but no cross-outs allowed. Erase errors completely.
   c. Work must accompany your answers unless the problems can be done mentally in one step.
   d. If figures are needed to complete a problem they should be drawn neatly.
   e. Box or highlight answers.
5. The grading scale is A=90-100, B=80-89, C=70-79, D=60-69 and F=<60.

   Academic Integrity: Angelo State University expects its students to maintain complete honesty and integrity in their academic pursuits. Students are responsible for understanding the Academic Honor Code which can be found at www.angelo.edu/forms/pdf/honorcode5pdf.

   Student Conduct: Be kind and respectful to your classmates and instructor. Talking distracts people near you as well as the instructor. Cell phones are prohibited in the classroom.