

South Plains College
Department of Mathematics and Engineering
College Algebra – MATH 1314.005, MATH 1314.011
Fall 2017 Course Syllabus

Instructor: Kaylan K Thompson

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Office Hours: As listed or by appointment.

Monday	Tuesday	Wednesday	Thursday	Friday
9:00-11:00	TBA	9:00-11:00	TBA	9:00-12:00

Textbook: (Optional) Blitzer. College Algebra, 7th ed. Pearson. ISBN 10:0-13-446916-X. Older versions of the textbook are acceptable. Please do not try to use an electronic device for a book. If you purchase a loose leaf book, you should secure a binder for the book. Your homework will be in handout form, but additional problems, as well as additional explanations, will be in the book.

Course Description: MATH 1314-College Algebra (3:3:1) Prerequisite: MATH 0320 or two years of high school algebra. A standard course in college algebra. Quadratic equations; ratio and proportion; variation; binomial theorem; inequalities; complex numbers; theory of equations; determinants and matrices. Time in a math lab is required.

Supplies: You will need a 3-ring binder, notebook paper, graph paper, a 3-hole punch, and pencils. You will be allowed to use a graphing calculator most of the time and a scientific calculator all of the time. Phone/tablet calculators will not be allowed.

Course Requirements: To maximize the potential to complete this course, a student should attend all class and laboratory meetings, take notes and participate in class, complete all homework assignments and examinations including final examinations.

Attendance Policy: Attendance and effort are crucial for success in this course. Record of your attendance will be maintained throughout the semester. Leaving class early and being tardy will be recorded as $\frac{1}{2}$ of an absence. Sleeping in class will also be recorded as an absence. You may be dropped from this course with a grade of X or F if you are absent four consecutive days or if you accrue five absences for any reason throughout the semester. Absences are not classified as 'excused' or 'unexcused'.

Grading Policy:

Homework/Quizzes/Lab Assignments/Binder Checks 20%

4 Unit Exams & Final Exam 80%

Homework/Quizzes/Lab Assignments/Binder Checks:

- Homework assignments will be assigned during each class session and may be collected the following class period. Work the problems early enough to seek help if needed. You should expect to spend as much time outside of class as you do in class practicing homework problems and studying. Absolutely no late homework assignments will be accepted. If you are absent, you must email your assignment to me before or on the day of class to earn credit for the assignment.
- Quizzes will be given during almost all class periods to demonstrate that you have practiced the skills from the previous class/classes. Make-up quizzes will not be given.
- Periodically, lab assignments will be given, completed, and turned in during a class period. If absent, these assignments may be made up by coming to my office, going over the lecture, and completing the assignment. You will be given one week to make-up the assignment, otherwise a zero will be given.
- All students will keep a binder which will be used as a reference and study guide. Your binder should be brought to class every day! The binder will be checked twice randomly by the instructor during the semester. Neatness and organization of a 3-ring binder are important. The binder should be arranged in the following manner:
 - Section 1: Syllabus
 - Section 2: Notes for each section covered—Handouts to use to take notes are posted on Blackboard. It is your responsibility to print the handouts. If you are absent, it is your responsibility to get the notes from a classmate.
 - Section 3: Homework
 - Section 4: Weekly Review Assignments
 - Section 5: Quizzes/Lab Assignments
 - Section 6: Reviews(Practice Exams)/Unit Exams

These pages will be kept in chronological order.

Exams: There will be 4 unit exams given and a comprehensive final. Dates for the exams are on the course calendar. If for any reason you are going to miss an exam, you must contact me PRIOR to class time. Make-up exams will be given at the discretion of the instructor. Once you begin an exam, you will not be able to leave the classroom until the exam is submitted for grading.

Review Assignments: Weekly review assignments will handed out each Monday and collected the following Monday. They will also be posted on Blackboard. The assignments are not mandatory. However, students who turn in all of the assignments for the semester with complete work shown will benefit by having 3 points added to their final grade. Students who complete all but one will have two points added to their final grade, and students who complete all but two will have one point added to their final grade. If more than two of the review assignments are not completed, students will not benefit from any points added to their final grade.

Grading Scale: A 90-100 B 80-89 C 70-79 D 60-69 F 59 or below

Student Learning Outcomes/Competencies for College Algebra (MATH 1314):

Upon completion of this course and receiving a passing grade, the student will be able to:

1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions and inverses.
2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.
3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomial and rational functions.
5. Recognize, solve and apply systems of linear equations using matrices.

Core Objectives:

Communication Skills:

effective development, interpretation, and expression of ideas through written, oral, and visual communication.

- Develop, interpret, and express ideas through written communication
- Develop, interpret, and express ideas through oral communication
- Develop, interpret, and express ideas through visual communication

Critical Thinking:

creative thinking, innovation, inquiry, analysis, evaluation, and synthesis of information.

- Generate and communicate ideas by combining, changing, and reapplying existing information
- Gather and assess information relevant to a question
- Analyze, evaluate, and synthesize information

Empirical and Quantitative Competency Skills:

the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

- Manipulate and analyze numerical data and arrive at an informed conclusion
- Manipulate and analyze observable facts and arrive at an informed conclusion

Student Responsibilities and Expectations:

1. Come to class on time and prepared to learn. (Pencils, homework, notebook, calculator)
2. Read the syllabus.
3. Take notes, participate in class, and complete course assignments early enough to seek help if needed.
4. Food and drink are not allowed in class, with the exception of bottled water.
5. Cell phones and any other electronic devices must be silenced and put away before entering the classroom. Use of these devices during class will result in a zero for that day's quiz, homework, or exam.

Resources:

- Blackboard is the online course management system that will be used for this course. The course syllabus, handouts for notes, reviews, practice exams, as well as any other class handouts can be accessed through Blackboard. Login at <http://southplainscollege.blackboard.com>. The user name and password should be the same as the MySPC and SPC email. Check Blackboard often for the latest tutoring schedule and course supplements.

User name: first initial, last name, and last 4 digits of the Student ID

Password: Original Campus Connect Pin No. (found on SPC acceptance letter)

- There are videos lectures available that can be viewed on YouTube. These videos do not replace class meetings, but can be used as supplemental material for students' use. The links are:
MATH 0310: http://www.youtube.com/playlist?list=PLXbDWrtfFWZHF4E_87GcKkxftISGa77HM
MATH 0315: http://www.youtube.com/playlist?list=PLXbDWrtfFWZEpnf_1uxFc3JL7RgftvXMn
MATH 0320: <http://www.youtube.com/playlist?list=PLXbDWrtfFWZFtPF6aDQbb7Fe7pKZfOMB8>
MATH 1314: http://www.youtube.com/playlist?list=PLXbDWrtfFWZFyJsxoTSMTO_0J7vBDTuRy
- Free tutoring is available in M116 on the Levelland campus. Hours for the tutors will be posted by the door of M116 and I will also post them on Blackboard.
- I am available to help you! Feel free to come by during my office hours or email me at kthompson@southplainscollege.edu.
- Websites that contain helpful videos:
patrickjmt.com
khanacademy.com

Religious Holy Days: In accordance with Section 51.911, Texas Education Code, South Plains College will allow a student who is absent from class for the observance of a religious holy day to take an examination or complete an assignment scheduled for that day within seven (7) calendar days after the absence. Students are required to file a written notification of absence with each instructor within the first fifteen (15) days of the semester in which the absence will occur. Forms for this purpose are available in the Student Services Office along with instructions and procedures. "Religious holy days" means a holy day observed by a religion whose place of worship is exempt from property taxation under Section 11.20, Tax Code. (copied from current South Plains College catalog)

Equal Opportunity: South Plains College strives to accommodate the individual needs of all students in order to enhance their opportunities for success in the context of a comprehensive community college setting. It is the policy of South Plains College to offer all educational and employment opportunities without regard to race, color, national origin, religion, gender, disability, or age.

Disability Statement: Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland Student Health & Wellness Center 806-716-2577, Reese Center (also covers ATC) Building 8: 806-716-4675, Plainview Center Main Office: 806-716-4302 or 806-296-9611, or the Health and Wellness main number at 806-716-2529.

Sexual Misconduct Statement: As a faculty member, I am deeply invested in the well-being of each student I teach. I am here to assist you with your work in this course. If you come to me with other non-course-related concerns, I will do my best to help.

It is important for you to know that all faculty members are mandated reporters of any incidents of sexual misconduct. That means that I cannot keep information about sexual misconduct confidential if you share that information with me. Dr. Lynne Cleavinger, the Director of Health & Wellness, can advise you confidentially as can any counselor in the Health & Wellness Center. They can also help you access other resources on campus and in the local community. You can reach Dr. Cleavinger at 716-2563 or lcleavinger@southplainscollege.edu or go by the Health and Wellness Center. You can schedule an appointment with a counselor by calling 716-2529.

Campus Concealed Carry syllabus statement: Campus Concealed Carry - Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so.

Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to the SPC policy at:

http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.php

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.