South Plains College
MATH 1332 – Contemporary Math
Fall 2018 Course Syllabus

Instructor: César Sánchez
Office: M110 (math building)
Office Hours: M/W 9:30-11, T/TH: 1:30-2:30 F: 9-12
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Days of lecture:	Monday/Wednesday	Tuesday/Thursday	Wednesday
Text code	@99c28d	@dk3f9h	@36932cf
Access code	Sanchez56827	Sanchez46494	Sanchez14981

Alert via text: **send text code to 81010**

Textbook: College Mathematics, Cheryl Cleaves and Margie Hobbs, 10th edition, Pearson Ed.
Courseid: access code

Course Description: This course is designed specifically for those students who will terminate their mathematical training with one or two courses in mathematics. It includes the fundamentals and principles of algebra, introduction to geometry and trigonometry, use of graphs, proportions, percentages, and logarithms, with heavy emphasis on applications.

Core Objectives:
Communication Skills:
- 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:
- 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:
- Manipulate and analyze numerical data and arrive at an informed conclusion
- Manipulate and analyze observable facts and arrive at an informed conclusion

Course Objectives: Successful completion of this course should reflect mastery of the following objectives:
(Chapter and section numbers are indicated in parentheses.)
1. Apply the arithmetic of real numbers and the concepts of ratio and proportion, percent, variation, and measure to practical problems.
2. Be able to manipulate polynomial, radical, exponential, and logarithmic expressions.

3. Find the solution set for linear equations in one or two variables, quadratic equations in one variable, and exponential equations in one variable, and apply these techniques to practical problems.
4. Find the solution to a 2x2 system of linear equations, and apply this technique to practical problems.
5. Recognize different geometric shapes and calculate area and volume.
6. Use the six trigonometric functions to solve right triangles and oblique triangles, and be able to apply these techniques to practical problems.
7. Organize statistical data, depict the data graphically, and find measures of central tendency, variation, and position. Solve simple probability and counting problems.

Expectations:

• Read the syllabus.

• Attend class, arrive on time, do your homework, turn in homework ON TIME, and be prepared to participate.

• **TURN OFF and PUT AWAY** all cell phones and mp3 players when you enter the classroom and keep off for the duration of the class. Do **NOT** send or receive text messages during class.

• Maintain a classroom environment that is conducive to learning. Make sure you are well rested.

• Foster a spirit of complete honesty and a high standard of integrity. For more detail, see page 23 of the South Plains College General Catalog.

Attendance: Record of your attendance will be maintained throughout the semester. You may be dropped from this course with a grade of X or F if you exceed two absences throughout the semester. **Absences are not classified as 'excused' or 'unexcused'.**

TSI: The Texas Success Initiative (TSI) is a state program designed to ensure that all Texas institutions provide placement testing, personal advisement and appropriate instruction to students to enhance their opportunities for success in their college studies. All new students entering Texas colleges and universities are required to take a placement test prior to enrolling in college-level courses, unless exempt from testing under specified state standards (i.e., scores on ACT, SAT or TAKS). Testing will indicate whether a student possesses adequate basic college level skills in reading, writing and mathematics necessary to begin an undergraduate program of study. (copied from the current SPC catalog)

All of the math will be set up where you can do it by hand, but if you wish to get a calculator, I would recommend either a TI-82, TI-83, or TI-84.

Grading:
Homework 30%
Exams 50%
Final Exam 20%

Grading Scale:
A 90-100
B 80-89
C 70-79
D 60-69
F 59 or below
To clarify, all grades will be calculated using 2 decimal places. The numbers will not round. For example, a grade of 89.64 means that you earned a B. An A would be anything that begins with a whole number of 90.

A grade of C (70) or better is required to advance to the next course. Although your grade in this course will not be used in calculating your GPA, your grade is used to determine academic status for financial aid. **This course and its grade will be recorded on your official transcript.**

Homework:
 • **all homework is online. No late homework is accepted for any reason. The cutoff will be at midnight of the due date.** You will be given extra time to do the homework so that you can ask questions. Do not procrastinate!

Exams: There will be 5 unit exams and a comprehensive departmental final exam . Dates for the exams are given on the calendar. If for any reason you are unable to take an exam at the designated time you must contact me prior to class time. Make-up exams are not given. Any person who knows they will be absent on a day of an exam should make arrangements to take the exam at an EARLIER date.

 All exams will be separated into 2 sections. The first will be short answer computations. The second section will be 2-6 discussion questions. These discussion questions always come from topics discussed during lecture. They will not be found in the textbook or online. It is your responsibility to get any notes from someone else who was in the class.

Final Exam: The final exam will be divided into 2 parts. First, a traditional cumulative exam and second, a project with a presentation. Each part will count as 10% of your total grade.

Attendance: Do not ask if you can leave early. You must stay until the end of the period to receive credit! 2 tardies equals 1 absence.

Tutoring: Free tutoring and video tapes are available in Room 116 of the Math Building. Digital versions of these tutorial videos can be viewed on your personal computer. There is a link for these videos on blackboard **http://spc.blackboard.com**

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.

Diversity:

In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Disabilities:

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 to federal law, a student requesting accommodations must provide acceptable documentation of his/her disability.

Levelland - For more information, call or visit the Disability Services Office in the Student Services Building, 806-716-2577.
Reese: Rooms 809 and 811, Reese Center Building 8, 806-716-4675.

Extra help/Extra Credit: Office hours are posted to let you know when I will be here, however, I am available any time that you see me in my office. I encourage you to find ways to excel in this class. This means, making appointments for office hours if the times given don't fit your schedule, e mailing or calling me for any questions or concerns, finding additional resources to help you learn, and seeking extra help if you need it.

"Insanity is doing the same thing, over and over again, but expecting different results."
~Albert Einstein