

South Plains College
MATH 1332 – Contemporary Math
Spring 2019 Course Syllabus

Instructor: César Sánchez

Office: M110 (math building)

Office Hours: M-Th 10:30-11, M/W: 1-2:30, F: 9-12

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Days of lecture:	Monday-Thursday	Monday/Wednesday	Wednesday
<u>Text code</u>	@dk3f9h	@99c28d	@36932cf
<u>Access code</u>	Sanchez81933	Sanchez95311	Sanchez31551

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:

1. Apply the language and notation of sets.
2. Determine the validity of an argument or statement and provide mathematical evidence.

3. Solve problems in mathematics of finance.
4. Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems.
5. Interpret and analyze various representations of data.
6. Demonstrate the ability to choose and analyze mathematical models to solve problems from real-world settings, including, but not limited to, personal finance, health literacy, and civic engagement.

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. Any person who has their cellphone out will be counted absent. It does not matter if you are using it or not. Keep it off, and put up where it won't be seen.
- 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 four 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: 1332

Homework 30%
Exams 50%
Final Exam 20%

Grading: 0332

Quizzes: 60%
Midterm Exam: 40%

Corequisite: It is still possible to pass both courses if you pass the 1332 section.

Grading Scale:

A 90-100
B 80-89.99
C 70-79.99
D 65-69.99
F 64.99 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.

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 4-5 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. During exams, the moment you leave the classroom signals the end of the attempt. You are not allowed to leave and come back.

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

Contemporary Math

Monday/Wednesday (0332)	
Date:	Section
1/14/2019	Syllabus/class procedures 2.1
1/16/2019	2.2 equivalent fractions and decimals, 2.4 multiplying and dividing fractions
1/21/2019	MLK Holiday
1/23/2019	2.3 adding and subtracting fractions
1/28/2019	Inequalities
1/30/2019	compound inequalities
2/4/2019	Calculator Basics
2/6/2019	GCF, Grouping
2/11/2019	Binomials
2/13/2019	Trinomials
2/18/2019	mixed practice
2/20/2019	square root property, zero theorem
2/25/2019	Creating spreadsheets
2/27/2019	creating graphs
3/4/2019	standard deviation
3/6/2019	Personal Budget
3/11/2019	Spring Break
3/13/2019	Spring Break
3/18/2019	Review
3/20/2019	Midterm Exam part 1
3/25/2019	Truth Tables
3/27/2019	Venn Diagrams
4/1/2019	D,M,S, Degrees to radian conversion
4/3/2019	Intro to Proofs
4/8/2019	Proving congruence
4/10/2019	Intro to logic
4/15/2019	Deduction/Induction
4/17/2019	Unit Circle
4/22/2019	Easter Holiday
4/24/2019	19.2
4/29/2019	20.4
5/1/2019	20.5
5/6/2019	1332.C01 final Exam 10:15-12:15

Tuesday/Thursday (Co)	
Date:	Section
1/15/2019	3.1, 3.2, 3.3
1/17/2019	4.1, 4.2
1/22/2019	4.3, 4.4
1/24/2019	7.2, 7.3
1/29/2019	7.4, 7.5, 7.6
1/31/2019	Pre-Algebra/Algebra Exam
2/5/2019	9.1, 9.2
2/7/2019	9.3, 9.4
2/12/2019	10.1, 10.2
2/14/2019	10.3, 10.4
2/19/2019	15.3, 15.4
2/21/2019	Algebra Exam
2/26/2019	6.1/6.2
2/28/2019	6.3, 6.4
3/5/2019	Finance
3/7/2019	Statistics/Finance exam
3/12/2019	Spring Break
3/14/2019	Spring Break
3/19/2019	Review
3/21/2019	Midterm Exam part 2
3/26/2019	17.1
3/28/2019	17.2
4/2/2019	17.3
4/4/2019	17.4
4/9/2019	18.1, 18.2
4/11/2019	18.2/18.4
4/16/2019	Geometry Exam
4/18/2019	19.1
4/23/2019	19.2
4/25/2019	20.4
4/30/2019	20.5
5/2/2019	Trigonometry Exam