

**South Plains College**  
**MATH 0337 – Fnd Math Reasoning**  
**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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**Alert via text:** send @fndofm to 81010

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

**Courseid:** [sanchez66053](#)

The website for the homework is [www.coursecompass.com](http://www.coursecompass.com)

**Course Description:** This course surveys a variety of mathematical topics needed to prepare students for college level statistics or quantitative reasoning or for algebra-based courses. Topics include: numeracy with an emphasis on estimation and fluency with large numbers; evaluating expressions and formulas; rates, ratios, and proportions; percentages; solving equations; linear models; data interpretations including graphs and tables; verbal, algebraic and graphical representations of functions; exponential models. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. Prerequisite: MATH0310 or placement by testing. This course will not satisfy graduation requirements.

**Successful completion** (C or better) of both EDUC1300 and MATH0401 allows the student to become TSI-compliant in mathematics. This successful completion will allow the student to enroll into Contemporary Mathematics (MATH1332) or Statistical Methods (MATH1342). This course does NOT prepare the student for College Algebra (MATH1314) or Math for Business Majors (MATH1324). Students need to pass both EDUC1300 and MATH0420 to become TSI-compliant in math. If they only pass one of these classes, then they will not be TSI-compliant in math and will not be able to register for Contemporary Math (MATH1332) or Statistics (MATH1342) until they have earned 'C' or better in BOTH Math0401 and EDUC1300. Learning

**Outcomes:**

**Numeracy:** Students will develop number sense and the ability to apply concepts of numeracy to investigate and describe quantitative relationships and solve real-world problems in a variety of contexts.

**Proportional Reasoning:** Students will use proportional reasoning to solve problems that require ratios, rates, proportions, and scaling.

Algebraic Competence, Reasoning, and Modeling: Students will transition from specific and numeric to general and abstract reasoning using the language and structure of algebra to investigate, represent, and solve problems.

Assessing Risk (Probabilistic Reasoning): Students will understand and critically evaluate statements involving risk and arguments based on probability that appear in the popular media, especially in presenting medical information.

Personal Finance: Students will understand, interpret and make decisions based on financial information that is commonly presented to consumers.

Civic Life: Students will understand that quantitative information presented in the media and by other entities can sometimes be useful and sometimes be misleading.

### **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 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)

**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.**

**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.

**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