Fall 2018- MATH 1314 - COLLEGE ALGEBRA

INSTRUCTOR: Mrs. Jody Dean, B.S., M.S.
OFFICE: Rm #125G Lubbock Center   **PHONE**: (806) 716-4321
E-MAIL: jdean@southplainscollege.edu
OFFICE HOURS: 1:00 – 3:30 Tues & Thur, 9:00 – 12:00 Friday, and by appointment

Course Description: MATH 1332. CONTEMPORARY MATHEMATICS I. (3:3:0) Prerequisite: MATH 0320 or two units of high school algebra. 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; and heavy emphasis on applications. (Copied from the current SPC catalog.)

Textbook: Cleaves, C. (2014). College Mathematics, 9th Edition. New Jersey: Pearson Prentice Hall.
ISBN 978-0-13-611632-5.
The hardcopy is optional. MyMathLab will be required.

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.

Texas Success Initiative (TSI): The Texas Success Initiative 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.)
SUPPLIES: You will need a graphing calculator, pencils, paper for note taking. The graphing calculator should be the equivalent of a TI-84 or lower. In other words, *you will NOT be allowed to use a TI-89 or higher on an exam. You may NOT use a TI-Nspire on an exam.* I suggest some type of notebook to keep all class notes, homework, and exams together to make exam prep easier.

ATTENDANCE: Attendance and effort are the most important activities for success in this course. If you are absent, you, alone, are responsible for getting the notes and doing your assignment before the next class. If you decide to stop coming to class, you must go through the drop procedure. A student who stops attending or misses *five* classes may be dropped with a grade of F or X at the discretion of the instructor. Please talk with me to verify if you have successfully dropped the course. Please read the "Drops and Withdrawals" policies on page 21 in the current catalog. Attendance will be checked in each class meeting via a sign-in sheet. *It is your responsibility to make sure that you sign in each class.* Do not call or email me later to tell me that you forgot to sign in. That is your responsibility, not mine. Your number of absences will be calculated by the number of times you do not sign in. Therefore, you have a lot to lose if you do not.

HOMEWORK & QUIZZES: Homework will be on-line using MyMathLab. Homework should be a daily occurrence. It is important to note that it is ***impossible*** to pass this course without the homework. Additionally, after each section is covered in class, I will assign a set of suggested problems. These problems are not to be turned in, they are for your benefit only. Although these problems are not to be turned in, not doing them is a phenomenally bad idea!!! I recommend keeping all these assignments together in a notebook, in chronological order, along with your class notes. This will make preparing for exams much easier.

Important Note: The homework problems assigned online via MyMathLab are required and are the only homework grades given in this class. If you do not have a personal computer or your computer is in serious need of an upgrade, there are many computer labs on the Reese Center campus, the Levelland campus, and the Lubbock Center which have very liberal hours. On the Reese campus, the lab with tutors is in building 2 in the basement. These problems on-line (homework) are chosen as representative of the basic concepts presented in the sections. These few questions will not adequately prepare you for the unit test. A more comprehensive assignment for each section is located in the textbook. The textbook exercises will not be taken up or graded, but should be used to ask questions in class over the assignment. Before completing the online homework for a grade, you should work the textbook problems for a more complete understanding of the topics.

Grading:

		Grading Scale:		
Homework	30%		A	90-100
Unit Exams	60%		B	80-89
Final Exam	10%		C	70-79
			D	60-69
			F	59 or below

Exams: There will be 4 unit tests and a comprehensive final exam. Dates for the exams are given on the course outline. 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 will be given at the discretion of the instructor.

EXAM ETIQUETTE: During exams there will be no talking. All electronic devices must be silenced and put away, with the exception of calculators. No cell phones may be used during exams. Once the first person turns in an exam, no one else may start. If you come in after that point, you will not be allowed to take the exam and you will receive a zero for that exam. Therefore it is extremely important that you be on time.

ACADEMIC HONESTY: While working on homework, students are allowed and even encouraged to work together. In this situation, two or more heads are almost always better than one. However, exams are different matter entirely. Each student is expected to work alone and with only the tools allowed for the exam. Any student caught cheating on an exam will receive a zero on that exam. A second offence will result in the student receiving an F for the course. Any student caught cheating on the final exam will receive an F for the course. There will be no exceptions to this rule.

CLASSROOM BEHAVIOR: Be aware that class is over when I dismiss it, and not before. Any student who repeatedly disrupts my class will be asked to leave. Some of the things that I consider "disruptions" include, but are not limited to, packing your things before the end of class, ringing cell phones, talking while I am talking, making a late "entrance", and so on. Texting while in class is also a disruption. **No tobacco products of any kind may be used at any time during class.** Chronic offenders will be banned from the classroom. It is phenomenally difficult to pass my class if you cannot attend on test days.
Do NOT use texting abbreviations in any correspondence with me.

COMMENTS:
This is a college course. To succeed in my course you will need to understand that the burden for learning is yours, and yours alone. No one should care more about your education than you. No one should work harder in this class than you. I am not primarily responsible for working hard to make sure you understand the material. You are! You are responsible for your assignments, lecture material, obtaining help on material you do not understand, preparing for exams and showing up to class to hear all relevant scheduling changes. I am responsible for teaching the material which meets the objectives listed in this syllabus, being available for questions during class and in office hours, and assessing your understanding of the material in this course fairly and impartially. I am here as a willing and able resource in your educational career. It is up to you how you make use of that resource.

Occasionally, or possibly every day, you will find the opportunity to be offended by something I say, do, joke about, or make light of. You may be offended by the way I dress, my personality, the way I structure this course, or my sense of humor. I teach my course my way without concern for the myriad ways I could be offending you by being myself. If you are a person who gets offended easily and enjoys using that as a crutch to prop up your delicate ego or to excuse your inability to understand the material, then I could be the wrong professor for you. I do not set out to offend you. I set out to teach you the math objectives in this course.

> *South Plains College permits the lawful carry of concealed handguns in accordance with Texas state law, and Texas Senate Bill 11. Individuals possessing a valid License to Carry permit, or the formerly issued Concealed Handgun License, may carry a concealed handgun at all campus locations except for the following.*
> - *Natatorium*
>
> *For a complete list of campus carry exclusions zones by event, please visit* **http://www.southplainscollege.edu/campuscarry.php**

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 Special 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 Special Services Coordinator. For more information, call or visit the Special Services Office in the Student Services building, (806)894-9611 ext 2529.

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 STATEMENT: 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.