SOUTH PLAINS COLLEGE

Fall 2017 – Contemporary Mathematics

Instructor: Alan Worley
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Office: M120   **Telephone:** (806) 716-2645
Office Hours: MW: 9:00-9:30, 2:15-3:00
                      TR: 8:30-9:00, 1:45-2:30
                      F: 9:00–12:00
                      Other times may be available 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: Smith, K. (2017). The Nature of Mathematics, 13th Edition. Boston: Cengage Learning. 978-1133947257.

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.)

LEVELLAND CAMPUS
1401 S. COLLEGE AVE.
LEVELLAND, TEXAS 79336
(806) 894-9611

SPC REESE CENTER
819 GILBERT DRIVE
LUBBOCK, TEXAS 79416
(806) 885-3048

BYRON MARTIN ATC
3201 AVE. Q
LUBBOCK, TEXAS 79411
(806) 747-0576

SPC PLAINVIEW CENTER
1920 W. 24TH ST.
PLAINVIEW, TEXAS 79072
(806) 296-9611

Attendance: *Attendance and effort are the most important activities for success in this course.* To maximize the potential to complete the course, a student should attend all class meetings, take notes, participate in class, and complete all homework assignments. You may be dropped from this course with a grade of X or F if you are absent three times this semester. Be on time and turn off any cell phones or pagers before entering the classroom.

Grading:		**Grading Scale:**		
Homework/Quizzes	20%		A	90-100
Unit Exams	60%		B	80-89
Final Exam	20%		C	70-79
			D	60-69
			F	59 or below

Exams: There will be 3 unit tests and a comprehensive final exam. 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 and will be significantly more difficult than the original.

Tutoring: Free tutoring is available in room M116 of the Math Building in Levelland, or room 208 in building 2 at the Reese campus, or in the lab at the Lubbock Center. Digital versions of tutorial videos can be viewed on your personal computer on Blackboard, http://spc.blackboard.com. Login using "mvideos" and password "mvideos". Click on Math-Math Videos and locate the appropriate course and topic in which you are interested.

Supplies: You will need pencils, a scientific calculator, notebook paper, graph paper, and a 3-ring binder. Calculators on cell phones or other electronic devices with a computer algebra system will not be allowed during testing.

Student Conduct: You are expected to be respectful to others in the classroom. Please assist in maintaining a classroom environment conducive to learning. Any student disrupting the learning environment will be asked to leave and may be dropped from the course.

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Disability: 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.

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.

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.

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Tentative Schedule

Week	Day	Date	Lesson
1	Wed.	August 30	Chapter 5 and Section 1.3
2	Wed.	September 6	6.1 Polynomials 6.4 Equations 6.5 Inequalities
3	Wed.	September 13	6.6 Algebra in Problem Solving 6.7 Ratios, Proportions, & Problem Solving 6.8 Percent Applications
4	Wed.	September 20	**Review (6-6:30pm) & Exam 1 (6:30-8:30pm)**
5	Wed.	September 27	Chapter 7 - Geometry
6	Wed.	October 4	Chapter 7 – Geometry (finish) Chapter 8 – The Nature of Measurement
7	Wed.	October 11	Chapter 8 – The Nature of Measurement 11.1 Interest Applications
8	Wed.	October 18	**Review (6-6:30pm) & Exam 2 (6:30-8:30pm)**
9	Wed.	October 25	Chapter 10 – Exponential & Logarithmic Equations
10	Wed.	November 1	Chapter 15 - Graphing
11	Wed.	November 8	Chapter 13 and 14 - Statistics
12	Wed.	November 15	**Review (6-6:30pm) & Exam 3 (6:30-8:30pm)**
13	Wed.	November 22	**No Class. Thanksgiving Holiday**
14	Wed.	November 29	Functions, Truth Tables, & Modeling
15	Wed.	December 6	Final Exam Review
16	Wed.	December 13	**Final Exam 6:00-8:30pm**

*Last Day to Drop: November 16th