

South Plains College  
Department of Mathematics & Engineering  
Math1332 – Contemporary Math  
Course Syllabus – Fall 2017

**Math1332.001.171S**

**Scheduled Class Time: MW – 2:30pm-3:45pm, Math Building, AM105**

**Instructor:** Jerod Clopton

**Office:** M102

**Email:** jclopton@southplainscollege.edu

**Phone:** 806-716-2738

**Office Hours:**

Monday	Tuesday	Wednesday	Thursday	Friday
4:00 – 5:00	10:00 – 12:00	4:00 – 5:00	10:00 – 12:00	10:15 – 12:15
Or by appointment				

**Course Description:** (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.

**Student Learning Outcomes/Competencies:** Upon completion of this course and receiving a passing grade, the student will be able to:

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.

**Textbook:** Smith, Karl J., *The Nature of Mathematics*, 13<sup>th</sup> Edition. ISBN 13: 978-1-133-94725-7

**Supplies:** Notebook, lined loose-leaf paper, 3-ring binder, pencils, straight edge, graph paper. Only a basic, non-graphing calculator, (TI-30XIIS is recommended) will be allowed in class. Calculators on cell phones, graphing calculators, and other electronic devices will NOT be allowed during tests or in-class assignments.

**Attendance:** Your attendance and active participation is vital to your success in this class. Attendance will be taken at the beginning of each class meeting. Failure to be in attendance will result in you being marked as absent for that class meeting. Should you arrive after attendance has been taken or leave class early, you will be marked as being tardy for that class meeting. For every 2 accounts that you are marked as being tardy, you will receive 1 mark of being absent; i.e. 2 tardies = 1 absent. If you exceed 5 absences during the course of the semester you will be dropped from this course with a grade of X or F.

Be on time for class and turn off any cell phones or other electronic devices before class starts. Note: unless allowed under special circumstances, no laptops or tablets are shall be used during class.

**Homework and Quizzes:** Homework will be assigned for each section of material covered and will be collected on the due date at the end of class. Homework is assigned to reinforce the learning and mastery of concepts taught in class. **Late homework will not be accepted and a grade of zero will be assigned. There will be no makeups for missed quizzes.**

**Exams:** There will be four unit exams and one comprehensive final exam for this class. The dates for exams are given in the course calendar. **There will be no make up exams.** There is an opportunity to replace your lowest exam grade. If your final exam grade is greater than your lowest exam grade, then that lowest exam grade will be replaced by the grade from your final exam.

**Grading Policy:**

	Percentage	
Homework and Quiz Average	20%	
Exams (4 @ 15% each)	60%	
Final Exam	20%	

Your final average will determine your letter grade for this class; determined by the following scale: A(90-100%), B(80-89%), C(70-79%), D(60-69%), F(0-59%)

**Supplementary Course Information & Tutoring:**

**Blackboard** is the online course management system that will be utilized for this course. This course syllabus, homework assignments, as well as any class handouts can be accessed through Blackboard. Login at <http://southplainscollege.blackboard.com>. The user name and password should be the same as the MySPC and SPC email.

User name: first initial, last name, and last 4 digits of the Student ID

Password: Original Campus Connect Pin No. (found on SPC acceptance letter)

Check Blackboard often for the latest tutoring schedule and course supplements (handouts, online practice quizzes, additional notes, sample problems for practice, etc.).

**Free Math Videos:** Visit SPC's website, [www.southplainscollege.edu](http://www.southplainscollege.edu). At the top right of the home page, click on Blackboard. Blackboard will ask for a user name and password. Use the following for both: mvideos. What will you find here? You will find videos (ordered by topic) from SPC professors and handouts (PDF) that accompany most videos. This is a great resource to use if you missed class, did not fully understand the lesson, or just simply forgot the lesson.

**Tutoring:** Students can obtain free tutoring in room M116 in the math building at the South Plains College campus in Levelland, and in rooms 206 and 208 in Building 2 at the Reese Campus.

**The Internet:** The topics, along with the examples and solutions of problems that are covered in this class are freely available to you through the Internet. There are numerous webpages, PDFs, and videos that will relate to every thing that is covered in this class. Various web links will be posted in Blackboard throughout the semester for you to reference. I encourage that you search for other references and utilize these to gain a more solid understanding of the material.

**Classroom Civility:** Students are expected to be respectful of their fellow classmates and maintain a classroom environment that is conducive to learning. Turn off all cell phones and other electronic devices before entering the room. The instructor reserves the right to ask a student to leave if his/her cell phone is left on and disrupts the

class. Refrain from using offensive language, reading newspapers, chewing tobacco products, or otherwise being disruptive in class. Food and/or drinks are NOT allowed in the classroom.

**Academic Honesty:** Students are expected to uphold the ideas of academic honesty. Academic dishonesty includes, but is not limited to, cheating on tests, collaborating with another student during a test, copying another student's work, using materials not authorized, and plagiarism. Use of a calculator, cell phone, or other electronic device during any in-class assignment or exam will result in a grade of zero. Students who do not follow the academic honesty policy will receive a grade of zero for the assignment, and may be dropped from the course with an F, or face possible suspension from the college.

**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.

**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 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 Office) 806-716-2577, Reese Center (Building 8) & Lubbock Center 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

**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](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.

Contemporary Mathematics Schedule for Fall 2017\*

Week	Date	Topic
1	Mon, Aug 28	First Day
	Wed, Aug 30	5.1 - Natural Numbers
		5.3 - Integers
2	<b>Mon, Sep 4</b>	<b>Labor Day Holiday</b>
	Wed, Sep 6	5.4 - Rational Numbers
		5.5 Irrational Numbers
3	Mon, Sep 11	5.6 - Real Numbers
		1.3 - Scientific Notation
	Wed, Sep 13	6.1 - Polynomials
		6.4 - Linear Equations
4	Mon, Sep 18	6.6 - Algebra in Problem Solving
	Wed, Sep 20	6.7 - Ratios, Proportions, and Problem Solving
5	<b>Mon, Sep 25</b>	<b>Exam 1</b>
	Wed, Sep 27	15.1 - Graphing Lines
		16.1 - Systems of Linear Equations
6	Mon, Oct 2	15.2 - Graphing [Linear Inequalities]
		15.5 - Functions
	Wed, Oct 4	6.4 - [Quadratic] Equations
		15.3 - Graphing Curves
7	Mon, Oct 9	10.1 - Exponential Equations
		10.2 - Logarithmic Equations
	Wed, Oct 11	11.1 - Interest
8	<b>Mon, Oct 16</b>	<b>Exam 2</b>
	Wed, Oct 18	8.1 Perimeter
9	Mon, Oct 23	8.2 - Area
		8.3 - Surface Area, Volume, and Capacity
	Wed, Oct 25	8.4 - Miscellaneous Measurements
		8.5 - Conversions
10	Mon, Oct 30	7.3 - Triangles
		7.4 - Similar Triangles
	Wed, Nov 1	7.2 Polygons and Angles
11	<b>Mon, Nov 6</b>	<b>Exam 3</b>
	Wed, Nov 8	7.5 Right-Angle Trigonometry
12	Mon, Nov 13	13.1 Introduction to Probability
	Wed, Nov 15	13.3 Probability Models
13	Mon, Nov 20	13.4 Calculated Probabilities
	<b>Wed, Nov 22</b>	<b>Thanksgiving Break</b>
14	Mon, Nov 27	14.1 Frequency Distributions and Graphs
	Wed, Nov 29	14.2 Descriptive Statistics
15	<b>Mon, Dec 4</b>	<b>Exam 4</b>
	Wed, Dec 6	Final Exam Review
16	Mon, Dec 11	
	Wed, Dec 13	

\* The tentative calendar is subject to change. Any changes to the tentative calendar will be announced in class.