South Plains College
Common Course Syllabus: MATH 1332
Revised July 2023

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 1332

Course Title: Contemporary Mathematics

Available Formats: conventional, hybrid, and internet

Campuses: Levelland, Downtown Center, Plainview Center, Lubbock Center, and Dual Credit

Course Description: Intended for Non-STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered.

Prerequisite: Minimum score of 350 on the TSIA1, minimum score of 950 on the TSIA2, a diagnostic score of 6 on the TSIA2, TSI-exempt status, a successful completion with a grade of 'C' or better in MATH 0337, or successful completion of NCBM-0112.

Credit: 3 **Lecture:** 3 **Lab:** 0

Textbook: A textbook is not required but if a student wants a book, I recommend the OpenStax free textbook which is available at https://openstax.org/details/books/contemporary-mathematics

Supplies: Please see the instructor's course information sheet for specific supplies.

This course partially satisfies a Core Curriculum Requirement: Mathematics Foundational Component Area (020)

Core Curriculum Objectives addressed:

- **Communications skills**—to include effective written, oral and visual communication
- **Critical thinking skills**—to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- **Empirical and quantitative competency skills**—to manipulate and analyze numerical data or observable facts resulting in informed conclusions

Student Learning Outcomes: 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.

Student Learning Outcomes Assessment: A pre- and post-test questions will be used to determine the extent of improvement that the students have gained during the semester

Course Evaluation: There will be departmental final exam questions given by all instructors.

Attendance/Student Engagement Policy: Attendance and engagement are the most critical activities for success in this course. The instructor maintains records of the student's attendance and submission of assignments throughout the semester. The student is expected to attend at least eighty percent (80%) of the **total** class meetings **and** submit at least eighty percent (80%) of the **total** class assignments to have the best chance of success. If the student fails to meet these minimum requirements, the instructor may remove the student from the class with an X, upon their discretion, to help the student from harming their GPA. If the student can not receive an X, the instructor will assign an F.

Plagiarism violations include, but are not limited to, the following:

1. Turning in a paper that has been purchased, borrowed, or downloaded from another student, an online term paper site, or a mail order term paper mill;
2. Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation;
3. Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them; or
4. Missing in-text citations.

Cheating violations include, but are not limited to, the following:

1. Obtaining an examination by stealing or collusion;
2. Discovering the content of an examination before it is given;
3. Using an unauthorized source of information (notes, textbook, text messaging, internet, apps) during an examination, quiz, or homework assignment;
4. Entering an office or building to obtain an unfair advantage;
5. Taking an examination for another;
6. Altering grade records;
7. Copying another's work during an examination or on a homework assignment;
8. Rewriting another student's work in Peer Editing so that the writing is no longer the original student's;
9. Taking pictures of a test, test answers, or someone else's paper.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect from the student and the instructor. Neither the instructor nor the student should be subject to others' rude, disruptive, intimidating, aggressive, or demeaning behavior**.** Student conduct that disrupts the learning process or is deemed disrespectful or

threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

For information regarding official South Plains College statements about intellectual exchange, disabilities, non-discrimination, Title IX Pregnancy Accommodations, CARE Team, and Campus Concealed Carry, please visit https://www.southplainscollege.edu/syllabusstatements/.

South Plains College policies, return to campus plan, and protocols regarding COVID-19 can be found here: https://www.southplainscollege.edu/emergency/covid19-faq.php.

SPC Bookstore Price Match Guarantee Policy: If you find a lower price on a textbook, the South Plains College bookstore will match that price. The difference will be given to the student on a bookstore gift certificate! The gift certificate can be spent on anything in the store.

If students have already purchased textbooks and then find a better price later, the South Plains College bookstore will price match through the first week of the semester. The student must have a copy of the receipt and the book has to be in stock at the competition at the time of the price match.

The South Plains College bookstore will happily price match BN.com & books on Amazon noted as *ships from and sold by Amazon.com*. Online marketplaces such as *Other Sellers* on Amazon, Amazon's Warehouse Deals, *fulfilled by* Amazon, BN.com Marketplace, and peer-to-peer pricing are not eligible. They will price match the exact textbook, in the same edition and format, including all accompanying materials, like workbooks and CDs.

A textbook is only eligible for price match if it is in stock on a competitor's website at time of the price match request. Additional membership discounts and offers cannot be applied to the student's refund.

Price matching is only available on in-store purchases. Digital books, access codes sold via publisher sites, rentals and special orders are not eligible. Only one price match per title per customer is allowed.

Note: The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.

COURSE SPECIFIC INFORMATION FOR MATH1332.151 & 451

Class modality: Online

Instructor: Phyllis Cormier
Email: pcormier@southplainscollege.edu
Office: Downtown Lubbock Center, Rm B016 Phone: (806)716-2797

Office hours:
I will have three Q & A sessions each week on Blackboard Collaborate. The sessions will be recorded and will be available on Blackboard Collaborate.

Tuesday	Wednesday	Thursday
4:00 – 4:30 PM	12:00 – 12:30 PM	9:00 – 9:30 AM

Appointments may also be made to meet with me face-to-face or virtually. Students may make an appointment through email or in person. I will respond to emails within 24 hours Monday through Friday.

Email: All students at South Plains College are assigned an SPC email account. Although personal email addresses will continue to be collected, the assigned SPC email account will be used as the official channel of communication for South Plains College. Students should make it a habit to check their student email account frequently. Student Correspondence Policy

Class Structure: This is an online class. All instructional material is available on Blackboard including notes, videos, assignments, projects, and exams. Students will take notes while watching the videos provided. The notes instruct students to complete similar problems from the assignment as they work through the notes. Students should be able to complete all required assignment problems by the time they finish taking notes.

Class Participation: Participation and effort are the keys to success in this class. Completed assignments will be used to gauge class participation. If 4 or more assignments are not completed, the student may be dropped from the course.

Assignments & Grading:
Assignments: Assignments will be made Monday through Thursday each week. Assignments with the solutions are provided on Blackboard. The purpose of assignments is to give students an opportunity to practice working on the problems that were discussed in the notes and videos so students will learn the material and be prepared for exams. The required assignment problems will be taken up for a grade. **Work must be shown to receive credit.** Required assignments will be due the day following when the assignment should be studied according to the **Tentative Course Schedule** (see pages 7 - 8 of this syllabus).

Late assignments will be accepted for a maximum grade of 70. Late assignments will not be accepted after the unit exam. Additional problems are included for extra practice but will not be collected for a grade.

"Make up" refers to completing graded work that was never attempted after the due date.

Submitting work: You will need the free Gradescope app on your phone or tablet to make a single pdf of your work to submit on Gradescope. This is the Gradescope logo

Assignments, projects and exams will be submitted on Gradescope. Students will already have an account set up with Gradescope. Use your SPC credentials to log on and find our class in the list of classes.

Projects: Seven small projects will be assigned throughout the semester. These may require minimal research to complete. The projects will count 10% of your grade and will give students a better understanding of where the math used in this class is used in everyday life.

Exams: There will be 3 exams and a comprehensive final exam. A scientific or graphing calculator may be used on the exams but calculators on cell phones or other electronic devices will not be permitted. Cell phones should be nearby but not touched until the exam is completed and the student is submitting their work. The use of any websites or apps during an exam is considered cheating. Students may use two 3-inch by 5-inch note cards with formulas, notes, or examples during the exam. Students may not leave the room during an exam.

If you prefer to take an exam in person, please let me know at least three days prior to the exam date so we can make arrangements to meet at the Lubbock Downtown Center.

Honorlock: Honorlock is a remote proctoring service that creates a fair testing environment for all students by protecting exams and academic integrity. The Honorlock extension must be installed in the Chrome browser. Students can install the extension during the first proctored exam. Note: If the Proctorio extension is installed it must be removed before installing the Honorlock extension.

How Does Honorlock Work?
Our remote proctoring services combine the benefits of AI software with those of live test proctors. Honorlock's proctoring software monitors your exam session and alerts a live, US-based test proctor if it detects any problems. **This means that you won't be watched during the entire exam.** Once alerted, our human proctors have the opportunity to assess the situation and then enter your exam session, via chat, to help you get back on track. (copied from https://honorlock.com/students/)

Online exam/quiz guidelines:

1. Sign on to Blackboard and navigate to the exam.
2. Honorlock will have you perform some checks on your computer.
3. Exams and quizzes are to be completed without the use of outside resources, however; two 3" x 5" index card or same size piece of paper with formulas and examples may be used.
4. Show all work on notebook paper.
5. No one should be with you while you are taking the exam.
6. Show your workspace. Your face, hands, and paper should be visible on the video throughout the exam. You may have to move the computer farther from you to accomplish this.
7. Show your cell phone. It should also be visible throughout the exam but should not be touched until the end.
8. Once you have begun the exam, remain in view of the camera. Do not leave the room.
9. When you have completed the exam, use your cell phone to make pdfs of your work **and** notecards. Do this while the timer is still running, and the camera is showing you making the pdfs.
10. Upload the file to Gradescope.

11. If something goes wrong, email your work and a description of what happened to pcormier@southplainscollege.edu
12. Click submit on the exam.
13. I must receive your work within 15 minutes of your submission.
14. Failure to follow these guidelines may result in a zero on the exam or being dropped from the course. I reserve the right to ask you to work any problem on the exam that you answered correctly.

If an exam is missed for any reason, the student's final exam will take the place of the missed exam. If two exams are missed, the student may be dropped from the course. A zero will be recorded for the score on the second missed exam. If a student knows they will need to miss an exam, let me know before the exam so an alternate testing time can be arranged **before** the exam is taken in class. Comprehensive final exams are required. Students who do not take the final exam will receive a zero for the final exam grade.

If a student misses an exam, it cannot be made up. The only exception to this policy is if the student is severely ill and/or hospitalized. If this is the case, contact DeEtte Edens at dedens@southplainscollege.edu or at (806)716-2376 and submit the required medical documentation to her. She will notify the instructor if the illness warrants an extension.

Students are responsible for completing assignments, projects, and exams on time. Print out the Tentative Course Schedule and keep it with your other course material to help you keep up with deadlines.

Weekly schedule: Watch the videos while filling in the notes. The number of the required problems that correspond to the videos are listed in the notes. I recommend that you solve those problems before moving to the next video. While you are working on the required problems, check the answers to make sure you understand the problems. If you miss a problem, go back, and see what you did wrong. If you are still struggling with a problem, mark it so you can ask about it by email or start a class conversation. These practice problems will help you prepare for the exams. Submit the required problems on Gradescope.

Course Evaluation:

Assignment/Quizzes	15%
Projects	10%
Exams 1 - 3	55%
Final Exam	20%
Total	100%

Grade Average	**Final Grade**
90 and above	A
80 - 89	B
70 - 79	C
60 - 69	D
59 and below	F

Supplies:

- The textbook is optional. Assignments and notes will be provided on Blackboard.
- Scientific calculator or simple graphing calculator (TI-89, TI-Nspire, and calculators on cell phones are not allowed) (TI-30xiis is a good and inexpensive option)
- Pencils, notebook paper, notecards, 3-ring binder (optional)
- Computer or cell phone that you can use to check Blackboard and emails.
- Scanning app used to make pdfs of your work to submit on Gradescope. I recommend the Gradescope app.

To maximize potential for successful completion of this course:

- Take notes while watching the videos.
- Complete all assignments to the best of your ability.
- Ask questions on any problems that you had difficulties with.
- Rework the assignments until you have mastered them.
- Work the problems that are labeled extra practice on the assignment.
- Organize all class material in a 3-ring binder.

Supplementary Course Information & Tutoring: Blackboard is the online course management system that will be utilized for this course. This course syllabus, as well as any class handouts and assignments can be accessed through Blackboard. Login at http://southplainscollege.blackboard.com. The username and password should be the same as the MySPC and SPC email.

Username: first initial, last name, and last 4 digits of the Student ID
Password: Original CampusConnect Pin Number (found on SPC acceptance letter)

Questions regarding Blackboard support may be emailed to blackboard@southplainscollege.edu or by telephone 806-716-2180.

Check Blackboard and your SPC email often for any updates. Additional study aids may also be added.

SPC Tutors

Tutoring is FREE for all currently enrolled students. Make an appointment or drop-in for help at any SPC location or online! Visit the link below to learn more about how to book an appointment, view the tutoring schedule, get to know the tutors, and view tutoring locations.
http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php

Tutor.com

You also have 180 FREE minutes of tutoring with Tutor.com each week, and your hours reset every Monday morning. Log into Blackboard, click on the tools option from the left-hand menu bar. Click on the Tutor.com link and you will automatically be logged in for free tutoring. You may access tutor.com tutors during the following times

Monday – Thursday: 8pm-8am

6pm Friday – 8am Monday morning

For questions regarding tutoring, please email tutoring@southplainscollege.edu or call 806-716-2538.

Contemporary Mathematics Tentative Course Outline

MATH1332

Summer II 2024

Date	Assignment	What is due today?
Week 1		
July 8	1 Order of operations & Linear Equations and Applications	Introduce Yourself - discussion
July 9	2 Quadratic Equations & Applications	**Assignment 1** Required problems

July 10	3 Distance and Midpoint & Lines, Slope and Average Rate of Change & Equations of Lines	**Assignment 2** Required problems
July 11	4 Solving Linear Systems of Equations with Applications	**Assignment 3** Required problems & **Project 1** Average Rate of Change
July 12		**Assignment 4** Required problems Practice Quiz – to get familiar with Honorlock
Week 2		
July 15	Exam 1 - Algebra	**Exam 1**
July16	5 Applications of Decimals and Percentages & Scientific Notation	
July 17	6 Unit Conversions & Ratio, Proportion, and Variation	**Assignment 5** Required problems
July 18	7 Time Value of Money	**Assignment 6** Required problems & **Project 2** Unit Conversions
July 19		**Assignment 7** Required problems
Week 3		
July 22	8 Cost of Homeownership & other Annuities	
July 23	Exam 2 - Finance	**Exam 2**
July 24	9 Triangles	**Project 3** Home Loans
July 25	10 Perimeter, Circumference, and Area 11 Volume and Surface Area	**Assignment 9** Required problems & **Project 4** Measuring a Flagpole
July 26		**Assignment 10 and 11** Required problems
Week 4		
July 29	12 Right Triangle Trigonometry with Applications	
July 30	Exam 3 – Geometry	**Exam 3**
July 31	13 Visual Display of Data and Measures of Central Tendencies	**Project 5** Remodeling
Aug 1	14 Set operations & Venn diagrams	**Assignment 13** Required problems
Aug 2		**Assignment 14** Required problems
Week 5		
Aug 5	15 Counting Techniques	**Project 6** Visual display
Aug 6	16 Basic Probability & Probability with “not” and “or”	**Assignment 15** Required problems **& Project 7** Survey
Aug 7	17 Probability with “and” and Conditional Probability	**Assignment 16** Required problems
Aug 8	Final Exam	**Final Exam**