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, the following are options:

- The OpenStax free textbook is available online at https://openstax.org/details/books/contemporary-mathematics or
- *Mathematical Ideas*, Miller, Heeren, and Hornsby, 2019, 14th Edition, Prentice Hall/Pearson Education

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 MATH1332.601

Class time: Monday – Thursday 4:00 – 5:55 PM
Class location: Lubbock Downtown Center B030

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

Office hours:
I will not have office hours for the summer; however, I will arrive 30 minutes before class and will remain after class if any student has questions. Also, appointments may 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 a traditional face-to-face class. We will discuss the topic listed on the Tentative Course Outline for the day. Quizzes will be given according to the Tentative Course Calendar (pgs. 6 – 7 on this syllabus). If you miss class, all assignments, notes, and videos are available on Blackboard.

Class Attendance: Attendance and effort are the keys to success in this class. 4 absences are allowed for the semester. Exceeding this number may result in being dropped from the course.

Assignments & Grading:
Notes: Class notes will be provided on Blackboard. I recommend that you print out the notes and fill them in during class. If you miss class for any reason or need to review a section, videos are provided on Blackboard to help you.

Homework: Assignments are made each class day. These problems are on Blackboard and will be due at 11:59 PM on the day noted on the Tentative course calendar at the end of this document. **Work must be shown to receive credit**. The answers are provided so your job is to show that you understand why that is the answer. Assignments will count 10% of your grade. I will grade problems 70% for completion and 30% for correct work. I will grade 3 – 7 problems from each lesson to assess your understanding. Late work will be accepted for a completion score only (maximum 70). Late work will be accepted for a maximum of two days after the original due date.

Homework assignments have 2 parts: required problems and problems for extra practice. The required problems are the only ones you will complete for a grade. The extra practice problems are provided for additional practice.

Submitting work: You will need an app or printer to make a single pdf of your work to submit on Gradescope. I recommend using the Gradescope app. This is the Gradescope logo:

Quizzes: Short in-class quizzes will be given according to the Tentative Course Calendar on page 6 and 7 of this syllabus. These will closely resemble the assignment problems. Answers are not provided for the quizzes. Questions may be asked about the assignment problems before the quiz is distributed, but the quizzes are to be completed without assistance. Quizzes will be completed in class without apps or websites, but an approved scientific calculator and your notes and assignments may be used. **Work must be shown to receive credit.** Quizzes cannot be made up. One quiz grade will be dropped at the end of the semester.

Note: "Make-up" refers to completing work that has never been attempted.

Projects: Seven small projects will be assigned throughout the semester. Students may choose to do any 5 out of the 7. 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. You may choose to complete the remaining 2 projects for a maximum of 8 bonus points on your final exam.

Exams: There will be 3 exams and a comprehensive final exam. Exams will be given during class time. You may use an approved scientific or simple graphing calculator on the exams but calculators on cell phones or other electronic devices will not be permitted. Cell phones should be out of sight and not touched during exams. Smart watches should be removed. The use of any websites or apps during exams will result in a 0 on the exam. You may not leave the room during an exam.

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. The final exam grade will replace a low or missed exam score if the final exam grade is higher. If a student does not take the final exam, a zero will be recorded for the final exam.

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 being prepared for participating in class and taking quizzes and exams. Print out the course calendar and keep it with your other course material to help you keep up with deadlines.

Course Evaluation:

Assignments	10%
Quizzes	10%
Projects	10%
Exams 1 – 3	50%
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, 3-ring binder
- 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:

- Attend class prepared to work.
- Print notes provided on Blackboard and fill in examples during class.
- Complete all assignments to the best of your ability.
- Ask questions on any problems that you have 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

Contemporary Mathematics Tentative Course Outline

MATH1332 Summer 2025

Date	Assignment	What is due today?
Week 1		
June 2	1 Order of operations & Linear Equations and Applications	
June 3	2 Quadratic Equations & Applications	**Assignment 1** Required problems & **Quiz 1** (lesson 1)
June 4	3 Distance and Midpoint & Lines, Slope and Average Rate of Change & Equations of Lines	**Assignment 2** Required problems

June 5	4 Solving Linear Systems of Equations with Applications	**Assignment 3** Required problems & **Quiz 2** (lessons 2 & 3)
June 6		**Assignment 4** Required problems & **Project 1** Average Rate of Change
Week 2		
June 9	Exam 1 – Algebra (Lessons 1 – 4)	
June 10	5 Applications of Decimals and Percentages & Scientific Notation	
June 11	6 Unit Conversions & Ratio, Proportion, and Variation	**Assignment 5** Required problems, **Quiz 3** (lesson 5)
June 12	7 Time Value of Money	**Assignment 6** Required problems
June 13		**Project 2** Unit Conversions
Week 3		
June 16	8 Cost of Homeownership & other Annuities	**Assignment 7** Required problems & **Quiz 4** (lessons 6 & 7)
June 17	9 Triangles & 10 Perimeter, Circumference, and Area	**Assignment 8** Required problems & **Project 3** Home Loans
June 18	Exam 2 – Finance (Lessons 5 – 8)	
June 19	Juneteenth – All locations closed – No classes	
June 20		**Project 4** measuring a flagpole
Week 4		
June 23	11 Volume and Surface Area & 12 Right Triangle Trigonometry with Applications	**Assignment 9 & 10** Required problems & **Quiz 5** (lesson 9 & 10)
June 24	13 Set operations & Venn diagrams	**Assignment 11 & 12** Required problems & **Project 5** Remodeling
June 25	14 Counting Techniques & 15 Basic Probability	**Assignment 13** Required problems & **Project 6** Survey
June 26	Exam 3 – Geometry and Counting Techniques (Lessons 9 – 14)	
June 27		
Week 5		
June 30	16 Visual Display of Data and Measures of Central Tendencies	**Assignment 14** Required problems & **Quiz 6** (lesson 14)
July 1	15 (continued) Probability with “not” and “or” and 17 Probability with “and”	**Assignment 15** Required problems & **Project 7** Visual Display
July 2	Final Exam (Lessons 1 – 17)	