South Plains College
Common Course Syllabus: MATH 1332
Revised December 2022

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 0332 & MATH 1332

Course Title: Contemporary Mathematics Support Course (MATH0332) & Contemporary Mathematics (MATH1332)

Available Formats: conventional/flex and internet

Campuses: Levelland, Plainview, Lubbock Centers, and Dual Credit

Course Description: Math0332 is to be taken concurrently with MATH 1332. Background topics which are necessary for a student to successfully complete MATH 1332 will be covered, with an emphasis on integers, percentages, graphing, fractions, exponents, radicals, statistics, and geometry.

MATH1332 is 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 TSIA, TSI-exempt status, or a successful completion with a grade of 'C' or better in MATH 0337.

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

Textbook: *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 cannot 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.

South Plains College policies concerning diversity, disabilities, non-discrimination, Title IX Pregnancy Accommodations, and Campus Concealed Carry Statements can be found here: 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 MATH 0332_1332_C151

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

Academic Coach: Hanson Schmidt
Email: hschmidt@southplainscollege.edu

Office Hours: I will not have office hours during the summer but will be available to meet online via Blackboard Collaborate or Zoom or in person at my office in the Downtown Lubbock Center. You can schedule a time to meet with me by email.

I will have 2 online Q&A sessions each week that you are encouraged to attend and ask questions. Times will be determined based on student availability and will be listed in our Blackboard course in the Instructor Information folder. Q & A sessions will be held on Blackboard Collaborate Ultra using the open course room for our class. To join the meeting:

1. Find the Blackboard Collaborate Ultra link in the Course Resources folder in our Blackboard course.
2. Click on the link Course Room Unlocked. It will look like this.


2022S10 - MATH-0332-1332-C151 - PCormier - Course Room
Unlocked (available)

3. Click on the black banner on the right that says “join course room”

To view the recordings of these sessions:

1. Click on the three lines in the black banner above the Course Room Unlocked banner.
2. Click on “Recordings”

Tutoring hours: Hanson will also be available online for tutoring. These times will also be listed in our Blackboard course in the Instructor Information folder.

Class Structure: This is an online class. You will be working at your own pace through the material with deadlines to keep you on track. Notes with video links and practice problems are provided on Blackboard. A tentative course outline is also provided to help you keep a good pace to meet deadlines. You may work ahead of schedule, but late work will not be accepted.

Assignments & Grading:
Notes: Class notes will be provided on Blackboard. These have videos for you to watch and fill in the examples and details. It is recommended that you print out the notes and fill them in while watching the videos.

Practice problems: Practice problems are provided for you to check your understanding of the material. The answers are provided. Complete all practice problems to the best of your ability then check to see if you got the correct answers. If you missed a problem, try to find the error. If you are not able to find your mistake, email a picture of your work to me or to Hanson so we can try to help you. Also, use the Q & A sessions and tutoring times to ask questions and gain a better understanding. Your grade for practice problems will be 70% for completion and 30% for accuracy. If you have attempted every problem with all necessary work shown, you will receive 70 points. I will grade 4 or 5 problems more carefully to check for understanding and accurately communicating the solution. These problems will count for the other 30 points of the practice problem grade. Practice problems are due on the day it is assigned on the Tentative Course Calendar at 11:59 PM. Four Practice problem grades will be dropped at the end of the semester.

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 gradescope by Turnitin Practice problems, weekly quizzes and the final exam will be submitted on Gradescope.

Quizzes: Quizzes will be given at the end of each week over the material assigned for that week. These will be taken through Blackboard using Proctorio. Show all work on notebook paper to receive credit. You may use a 3-inch by 5-inch notecard with formulas and examples. You may use a simple scientific calculator on the exams but calculators on cell phones will not be permitted. Graphing calculators such as TI-89 or TI-Nspire are not allowed

on exams. **Exception: Quiz 1 must be completed without a notecard or calculator.** Makeup quizzes are not allowed. Two quiz grades will be dropped at the end of the semester.

Proctorio is used to ensure academic integrity for online exams. The extension for Proctorio must be installed in the Chrome or Edge browser. The following website will help you get started with Proctorio: Getting started with Proctorio

Weekly schedule: Watch the videos while filling in the notes. The number of the Practice problems that correspond to the videos are listed below each video. I recommend that you solve those problems before moving to the next video. While you are working on the Practice 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, during a Q&A session, or during Hanson's tutoring time. These practice problems will help you prepare for the weekly quiz. Over the weekend, take the quiz over the work for the week and submit them as a single pdf on Gradescope.

You are responsible for completing the practice problems and quizzes on time. Print out the course calendar and keep it with your other course material to help you keep up with deadlines.

Online exam/quiz guidelines:

1. Sign on to Blackboard and navigate to the exam or quiz.
2. Proctorio will have you perform some checks on your computer.
3. Exams and quizzes are to be completed without the use of outside resources, however; a single 3" x 5" index card or same size piece of paper with formulas and examples may be used except for Quiz 1.
4. Show all work on notebook paper.
5. No one should be with you while you are taking the exam/quiz.
6. Show your workspace. Your face, hands, and paper should be visible on the video throughout the exam or quiz.
7. Show your cell phone. It should also be visible throughout the exam/quiz but should not be touched until the end.
8. Once you have begun the exam/quiz, remain in view of the camera.
9. When you have completed the exam/quiz, use your cell phone to make pdfs of your work **and** notecard. 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/quiz or being dropped from the course. I reserve the right to ask you to work any problem on the exam/quiz that you answered correctly.

Course Evaluation:

Practice problems	10%
Quiz average	70%
Final Exam	20%
Total	100%

Grade Average	Final Grade
89.5 and above	A
79.5 – 89.4	B
69.5 – 79.4	C
59.5 – 69.4	D
59.4 and below	F

Supplies:

- The textbook is not required. All notes and assignments are 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)
- Computer
- Webcam
- Reliable internet
- Cell phone or tablet that you can use to make a pdf.
- Gradescope app

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.

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 Texan Connect and SPC email.
Check Blackboard and your SPC email often for any updates in assignments or exams. Additional study aids may also be added.

Tentative Course Calendar for MATH0332/1332.C151 Summer 10-week 2023

Week	Date	Assignment to complete	Assignment due
1	Jun 5	1.1 Operations with Integers	
	Jun 6	1.2 Rational Numbers and Decimal Representations	
	Jun 7	1.3 Order of Operations	
	Jun 8	1.4 Polynomials	Quiz 1 over 1.1 – 1.4 due 6/11 at 11:59 PM No calculator
2	Jun 12	1.5 Solving Linear Equations	
	Jan 13	1.6 Linear Applications	
	Jan 14	2.1 Quadratic Equations	
	Jun 15	2.2 Quadratic Applications	Quiz 2 over 1.5 – 2.2 due 6/18 at 11:59 PM
3	Jun 19	2.3 The Rectangular Coordinate System & Distance & Midpoint	
	Jun 20	2.4 Lines, Slope & Average Rate of Change	
	Jun 21	2.5 Equations of Lines	
	Jun 22	2.6 Solving Systems	Quiz 3 over 2.3 – 2.6 due 6/25 at 11:59 PM
4	Jun 26	2.7 System Applications	
	Jun 27	3.1 Applications of Decimals & Percentages	
	Jun 28	3.2 Ratio & Proportion & 3.3 Variation	
	Jun 29	3.4 Time Value of Money	Quiz 4 over 2.7 – 3.4 due 7/2 at 11:59 PM
5	July 3	3.5 Cost of Homeownership	
	July 4	4th of July holiday	
	July 5	3.6 Annuities	

	July 6	3.7 Scientific Notation	Quiz 5 over 3.5 – 3.7 due 7/9 at 11:59 PM
6	July 10	3.8 Unit Conversions	
	July 11	4.1 Angles, Curves, and Polygons	
	July 12	4.2 Triangles – Sum of angles, and exterior angles	
	July 13	4.2 Triangles (cont.) similar triangles and the Pythagorean theorem	Quiz 6 over 3.8 – 4.2 due 7/16 at 11:59 PM
By 7	July 17	4.3 Perimeter, Circumference & Area	
	July 18	4.4 Volume and Surface Area	
	July 19	4.5 Trigonometry & 4.6 Trig Applications	
	July 20	5.1 Venn diagrams, Subsets, and Set Operations	Quiz 7 over 4.3 – 5.1 due 7/23 at 11:59 PM
8	July 24	5.2 Surveys & Cardinal Numbers	
	July 25	5.3 Counting Techniques	
	July 26	5.4 The Fundamental Counting Principle	
	July 27	5.5 Counting with “Not” and “Or”	Quiz 8 over 5.2 – 5.5 due 7/30 at 11:59 PM
9	July 31	6.1 Empirical & Theoretical Probability	
	Aug 1	6.2 Probability with “Not” & “Or”	
	Aug 2	6.3 Probability with “And” & Conditional Probability	
	Aug 3	6.5 Visual Display of Data	Quiz 9 over 6.1 – 6.5 due 8/6 at 11:59 PM
10	Aug 7	6.6 Measures of Central Tendencies	
	Aug 8	Review for Final Exam	
	Aug 9	Review for Final Exam	
	Aug 10	FINAL EXAM	Comprehensive final exam due Aug 10th at 4:00 PM