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_C604

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

Office Hours:

Monday	Tuesday	Wednesday	Thursday	Friday
	11:30 AM – 12:30	10:20 – 10:50 AM		9:00 – 11:30 AM
4:00 – 5:30 PM		4:00 – 5:30 PM	2:30 – 3:30 PM	

Office hours are times I have set aside to work with you individually. Please feel free to stop by anytime during these hours. No appointment is necessary. Appointments can be made at times other than those listed above. You may also consider sending pictures of your work by email if you would like me to help you find an error. If you would like a video solution to a problem, I can make those quickly and am willing to do that if requested.

Class Structure: This course is a flex or hybrid course. All instructional material is on Blackboard. Each unit in Blackboard has assignments and notes with video links to teach the material. We will be using a flipped classroom model. Before class, you will watch the videos while taking notes and complete the practice problems to the best of your ability. During class, I will answer your questions over the lessons you have prepared for that day. The goal is to have a basic understanding of the material when you come to class. This will allow us to use class time to develop a deeper understanding and to clarify any points that were unclear.

Assignments & Grading:

Notes: Class notes will be provided on Blackboard. These will have video links 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.

Homework: Assignments are made 4 days a week. Practice problems are on Blackboard and will be due at 10:00 PM on the day the problems are discussed in class. Dates are listed on the Tentative Course Outline. **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. Practice problems will count 10% of your grade. I will grade practice problems 70% for completion and 30% for correct work. I will grade 5 – 7 problems from each lesson to assess your understanding. Late work will be accepted for a reduced score.

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

Quizzes: Quizzes will be given often to assess your understanding. You may use your notes and practice problems for quizzes. All but one quiz will be given during class time. One quiz will be given online to give you an opportunity to practice using Proctorio.

Exams: Four exams will be given during class time and 2 exams will be given online using Proctorio. Notes and practice problems will not be allowed on exams, but a single page of formulas with writing on one side only may be used.

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. Makeup exams are allowed on rare and well-documented occasions. If you miss one exam, the final exam grade can take the place of the missed exam grade.

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. Begin on the Practice problems. While you are working the Practice problems, check the answers to make sure you are understanding 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 in class. Come to class and ask questions and complete a quiz if assigned. After class, complete any problems that you needed help with, scan your Practice problems, and submit them as a single pdf on Gradescope.

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

Online exam guidelines:

1. Sign on to Blackboard and navigate to the exam.
2. Proctorio will have you perform some checks on your computer.
3. Exams are to be completed without the use of outside resources.
4. No one should be with you while you are taking the exam.
5. Show your workspace. Your face, hands, and paper should be visible on the video throughout the exam.
6. Show your cell phone. It should also be visible throughout the exam but should not be touched until the end.
7. Once you have begun the test, remain in view of the camera.
8. When you have completed the exam, use your cell phone to make pdfs of your work. Do this while the timer is still running, and the camera is showing you making the pdfs.
9. Upload the file to Gradescope.
10. If something goes wrong, email your work to pcormier@southplainscollege.edu
11. Click submit on the exam.
12. I must receive your work within 15 minutes of your submitting the exam.
13. 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.

You will have the opportunity to practice using Proctorio with a short quiz before the first online exam. You will have multiple attempts on the quiz to correctly follow the exam guidelines.

Course Evaluation:

Practice Problems	10%
Quizzes	10%
Exam 1	10%
Exam 2	10%
Exam 3	10%
Exam 4	10%
Exam 5	10%
Exam 6	10%
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.C604 Spring 2023
Note: Days we meet for class are in bold type.

Week	Date	Assignment to complete	Assignment due
1	Jan 17	No assignment until we meet on Jan 18th	
	Jan 18	Welcome and strategies	
	Jan 19	1.1 Operations with Integers	
2	**Jan 23**	1.2 Rational Numbers and Decimal Representations	1.1 & 1.2
	Jan 24	1.3 Order of operations	
	Jan 25	1.4 Polynomials	1.3 & 1.4
	Jan 26	1.5 Solving Linear Equations	
3	**Jan 30**	1.6 Linear Applications	1.5 & 1.6
	Jan 31	Review for Exam 1	
	Feb 1	Exam 1 (no calculator on Part I) IN CLASS	
	Feb 2	2.1 Quadratic Equations	
4	**Feb 6**	2.2 Quadratic Applications	2.1 & 2.2
	Feb 7	2.3 The Rectangular Coordinate System & Distance & Midpoint	
	Feb 8	2.4 Lines, Slope & Average Rate of Change	2.3 & 2.4
	Feb 9	2.5 Equations of Lines	
5	**Feb 13**	2.6 Solving Systems	2.5 & 2.6
	Feb 14	2.7 System Applications	
	Feb 15	Review for Exam 2	2.7
	Feb 16	Exam 2 online	Exam 2
6	**Feb 20**	3.1 Applications of Decimals & Percentages	3.1
	Feb 21	3.2 Ratio, Proportion	
	Feb 22	3.3 Variation	3.2 & 3.3
	Feb 23	3.4 Time Value of Money	
7	**Feb 27**	3.5 Cost of Homeownership	3.4 & 3.5
	Feb 28	3.6 Annuities	
	Mar 1	3.7 Scientific Notation	3.6 & 3.7
	Mar 2	3.8 Unit Conversions	
8	**Mar 6**	Review for Exam 3	3.8
	Mar 7	Review for Exam 3	
	Mar 8	Exam 3 In class	
	Mar 9	4.1 Angles, Curves, and Polygons	
Off	Mar 13	Spring Break (March 13th – March 17th)	
9	**Mar 20**	4.2 Triangles – sum of angles, and exterior angles	4.1
	Mar 21	4.2 Triangles (cont.) similar triangles and Pythagorean theorem	
	Mar 22	4.3 Perimeter, Circumference & Area	4.2 & 4.3
	Mar 23	4.4 Volume and Surface Area	
10	**Mar 27**	4.5 Trigonometry	4.4 & 4.5
	Mar 28	4.6 Trig Applications	
	Mar 29	Review for Exam 4	4.6
	Mar 30	Review for Exam 4	
11	**Apr 3**	Exam 4 In class	
	Apr 4	5.1 Venn diagrams, Subsets and Set Operations	
	Apr 5	5.2 Surveys & Cardinal Numbers	5.1 & 5.2
	Apr 6	5.3 Counting Techniques	
12	**Apr 10**	5.4 The Fundamental Counting Principle	5.3 & 5.4
	Apr 11	5.5 Counting with “Not” and “Or”	

	Apr 12	Review for Exam 5	5.5
	Apr 13	EXAM 5 Online	Exam 5
13	**Apr 17**	6.1 Empirical & Theoretical Probability	6.1
	Apr 18	6.2 Probability with “Not” & “Or”	
	Apr 19	6.3 Probability with “And” & Conditional Probability	6.2 & 6.3
	Apr 20	6.4 Expected Value	
14	**Apr 24**	6.5 Visual Display of Data	6.4 & 6.5
	Apr 25	6.6 Measures of Central Tendencies	
	Apr 26	Review for Exam 6	6.6
	Apr 27	Review for Exam 6 / Last day to drop	
15	**May 1**	EXAM 6 In class	
	May 2	Review for Final	
	May 3	Review for Final	Part 1 & 2
	May 4	Review for Final	
16	**May 8**	FINAL EXAM 5:30 – 7:30 PM	