SOUTH PLAINS COLLEGE
MATHEMATICS, ENGINEERING & COMPUTER SCIENCE

Common Course Syllabus: MATH 0332/1332

Revised July 2023

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: Maximum score of 349 on the TSIA1 without an ABE score, minimum diagnostic score of 3 on the TSIA2, or a successful completion of NCBM 0105.

MATH0332: Credit: 3 **Lecture:** 3 **Lab:** 0 **MATH1332: 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.

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 MATH 0332_1332_C604

Class Meeting Time: 5:30 - 6:45 PM Monday and Wednesday **Place:** B030
Instructor: Phyllis Cormier **Email:** pcormier@southplainscollege.edu
Office: Lubbock Downtown Center Rm B016 **Phone**: (806)716-2797

Office Hours:

Monday	Tuesday	Wednesday	Thursday	Friday
10:30 – 11:00 AM		10:30 – 11:00 AM		9:00 – 10:00 AM
3:00 – 5:30 PM		3:00 – 5:30 PM	4:30 – 5:00 PM online	
	10:00 – 10:30PM online			

Office hours are times I have set aside to work with students on any questions they have about the class. Please use this time to improve your understanding of the material. Appointments may also be made to meet face-to-face or virtually. You may make an appointment by email, in person, or by calling. I will respond to emails within 24 hours. If I am in my office, feel free to stop by without an appointment. The Zoom link for online office hours is in the Start Here folder in our Blackboard course.

Learning Assistant: Eric
Email: ejohansen@southplainscollege.edu
The Learning Assistant will work directly with our class to create an inviting, engaging, and collaborative learning environment by tutoring, coaching, and mentoring students. The Learning Assistant functions as a tutor, providing in-time tutoring services in a small group setting or one-on-one tutoring during authorized tutoring sessions. He may also provide students with academic tips and skills for success in the academic setting.

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. To access the SPC student email account:

- Navigate to **https://office.com** and select **Sign In**
- Username: MySPCusername@southplainscollege.edu
- Password: ***Your MySPC/Blackboard password***
- Select **Outlook** to check your new SPC email.

Students should make it a habit to check their student email account frequently. (Copied from SPC Student Guide.)

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 about 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.

Class Attendance: Attendance and effort are the keys to success in this class. 6 absences are allowed for the semester. If you exceed this number, you may be dropped from the course.

Assignments & Grading:
Notes: Class notes will be provided on Blackboard. Print out the notes then fill them in while watching the videos in the assignment folder.

Homework/Practice problems: Assignments are made 4 days a week. Practice problems are on Blackboard and will be due at 11:59 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. The average of your homework grades will count 10% of your grade. I will grade your homework 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 only be accepted for two days after the original due date.

Submitting work: You will need an app or printer to make a single pdf of your work to submit on Blackboard.

Quizzes/labs: Quizzes or labs will be given often. These will closely resemble the assigned practice problems. Answers are not provided for the quizzes. Quizzes will be completed in class without apps or websites, but scientific calculators may be used.

Exams: There will be 5 exams and a comprehensive final exam. Exams will be given during class time. Except on Exam 1, you may use a 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. Earbuds and headphones must be removed during testing. The use of any websites or apps during exams is considered cheating. You may not leave the room during an 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.

If you miss an exam for any reason, the final exam will take the place of the missed exam. If you miss two exams, you may be dropped from the course. The grade for the second missed exam will be zero. If you know you 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.

To maximize the potential for successful completion of this course:

- Find a place free from distractions to watch the videos and fill in the notes
- While completing the Practice problems, check your answers with the answer sheet.
- If you miss a problem, try to find the mistake. If you do not find the mistake, email your instructor, ask about the problem in class, or ask one of the free SPC tutors.
- Attend class prepared to work. Ask questions if needed.
- Complete all Practice problems scan your work, and submit it as a single pdf on Blackboard
- Organize all class material in a 3-ring binder.

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.

Course Evaluation:

Homework average	10%
Quiz & lab average	10%
Exam 1 - 5	60%
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

You are enrolled in two courses: MATH1332 and MATH0332. If you earn a grade of A, B, or C in the course, you will receive a grade of P for MATH0332. If you earn a grade of D or F in the course, you will receive a grade of F or E for MATH0332.

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 pictured below).

- Computer or cell phone used to check Blackboard and emails.
- Cell phone or tablet used to make a pdf.
- App to scan work to submit on Gradescope. I recommend the 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. Tutoring Information

Brainfuse

You also have 180 FREE minutes of tutoring with Brainfuse 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 Brainfuse link and you will automatically be logged in for free tutoring. You may access tutor.com tutors during the following times: Monday – Thursday: 8 pm-8 am and 6 pm Friday – 8 am 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
MATH0332/1332.C604 Spring 2025

Note: Days we meet for class are in bold type.

Week	Date	Assignment to complete	Assignment due
1	**Jan 12**	Course introduction and 1.1 Operations with Integers	
	Jan 13	1.2 Rational Numbers and Decimal Representations	
	Jan 14	1.3 Order of operations	1.1 & 1.2
	Jan 15	1.4 Polynomials	
2	**Jan 19**	*Martin Luther King, Jr. Holiday – All campuses closed*	
	Jan 20	1.5 Solving Linear Equations	
	Jan 21	1.5 Solving Linear Equations (cont.)	1.3 & 1.4
	Jan 22	1.6 Linear Applications	
3	**Jan 26**	Review for Exam 1	1.5 & 1.6
	Jan 27	Review for Exam 1	
	Jan 28	Exam 1	
	Jan 29	2.1 Quadratic Equations	
4	**Feb 2**	2.2 Quadratic Applications	2.1 & 2.2
	Feb 3	2.3 The Rectangular Coordinate System & Distance & Midpoint	
	Feb 4	2.4 Lines, Slope & Average Rate of Change	2.3 & 2.4
	Feb 5	2.5 Equations of Lines	
5	**Feb 9**	2.6 Solving Systems	2.5 & 2.6
	Feb 10	2.7 System Applications	
	Feb 11	Review for Exam 2	2.7
	Feb 12	Review for Exam 2	
6	**Feb 16**	Exam 2	
	Feb 17	3.1 Applications of Decimals & Percentages	
	Feb 18	3.2 Ratio & Proportion	3.1 & 3.2
	Feb 19	3.3 Variation	
7	**Feb 23**	3.4 Time Value of Money	3.3 &3.4
	Feb 24	3.5 Cost of Homeownership	
	Feb 25	3.6 Annuities	3.5 & 3.6
	Feb 26	3.7 Scientific Notation	

8	**Mar 2**	3.8 Unit Conversions	3.7 & 3.8
	Mar 3	3.9 Budgeting	
	Mar 4	Review for Exam 3	3.9
	Mar 5	Review for Exam 3	
9	**Mar 9**	Exam 3	
	Mar 10	4.1 Angles, Curves, and Polygons	
	Mar 11	4.2 Triangles – sum of angles, exterior angles	4.1
	Mar 12	4.2 Triangles (cont.) similar triangles and Pythagorean Theorem	
**		*March 16 – 20 Spring Break – All campuses closed*	
10	**Mar 23**	4.3 Perimeter, Circumference & Area	4.2 & 4.3
	Mar 24	4.4 Volume and Surface Area	
	Mar 25	4.5 Trigonometry	4.4 & 4.5
	Mar 26	4.6 Trig Applications	
11	**Mar 30**	Review for Exam 4	4.6
	Mar 31	Review for Exam 4	
	Apr 1	Exam 4	
	Apr 2	5.1 Venn diagrams, Subsets and Set Operations	
Fri	Apr 3	Easter break – all campuses closed	
12	**Apr 6**	5.2 Surveys & Cardinal Numbers	5.1 & 5.2
	Apr 7	5.3 Counting Techniques	
	Apr 8	5.4 The Fundamental Counting Principle & 5.5 Permutations and Combinations	5.3 – 5.5
	Apr 9	5.6 Counting with "Not" and "Or"	
Fri	Apr 10	Online Registration opens for Spring Interim, Summer 2025, and Fall 2025 terms at 8:00 AM	
13	**Apr 13**	6.1 Empirical & Theoretical Probability	5.6 and 6.1
	Apr 14	6.2 Probability with "Not" & "Or"	
	Apr 15	Review for Exam 5	6.2
	Apr 16	Review for Exam 5	
14	**Apr 20**	EXAM 5	
	Apr 21	6.3 Probability with "And" & Conditional Probability	
	Apr 22	6.4 Expected Value	6.3 & 6.4
	Apr 23	6.5 Visual Display of Data	
15	**Apr 27**	6.6 Measures of Central Tendencies	6.5 & 6.6
	Apr 28	Review for Final	
	Apr 29	Review for Final	
	Apr 30	Review for Final	
16	**Monday May 4**	FINAL EXAM 5:00 – 7:00 PM	