

Math 1332.004 Contemporary Mathematics
Tuesday/Thursday 9:30 am – 10:45 pm
Fall 2024 Room – Ag105

Instructor: Ms. Rachel Fleenor
Email: rfleenor@southplainscollege.edu
Office: M102
Office Phone: 806-716-4321

Office Hours: MTWR – 2:45 pm – 3:45 pm
 TR – 10:45 am – 11:45 am
 F – 9:30 am – 11:45 am
 (or by appointment)

Course Structure

- Conventional Course
 - Content will be covered in class
 - Homework will be assigned for each class day
 - Each class will have a corresponding quiz
 - All exams will be done in class
 - All students are expected to be physically in class during class time.

Textbook

- None

Course Requirements/Materials

- Attend all classes prepared
- Solid work ethic and character.
- Binder for notes and homework
- Pencils
- Colored Pencils/Pens
- Graphing Paper

Grading Policy (1342):

Homework (50 points – 2 each)
 Quizzes (150 points – 10 each)
 Exams (200 points – 75 each)
 Final Exam (100 points)
 500 points total

Grading Scale (1342):

450-500 points A
 400-449 points B
 350-399 points C
 300-349 points D
 < 300 points F

****Note: Students must justify answers or show work on all problems to receive full credit.*

Homework

- At least one assigned each class
- Due by 11:59 pm the following day
- Submit to Blackboard
- Submission link will close at 11:59 pm, plan accordingly keeping in mind that sometimes technology may not work as expected
- Must be submitted as **1 PDF** oriented upright
- Problems must be solved on a separate sheet of paper
- Problems must be in order
- Each question must be written out along with the solution
- Any submission not following the above requirements will not be taken into consideration

Quizzes

- At least one a week over previous weeks (or days) content
- Will be taken in class, no materials allowed

Tests

- 3 midterm exams and 1 required final exam
- Must Complete in the allotted class time
- No exam grades will be dropped

- It is in your best interest to save ALL graded documents until your final grade is assigned at the end of the term
- Once you begin your exam, you will not be allowed to leave the classroom. If you do leave the classroom after the exam begins, your exam will be collected and graded as is

Final Exam

- The 1332 final exam is comprehensive
- Any student who does not take the final exams will fail the classes with F's regardless of the student's average.
- No make-up final exams will be offered.
- The Math 1332 final exam will be held on **Thursday, December 12th** from **8:00am to 10:00am**.
- More details will be shared on Blackboard near the end of the term

Late work

- Exams cannot be taken early or late. You must take exams in the classroom at the assigned testing time
- Homework submission links will close at due date and time and will not be reopened.

Make-up

- This section refers to any missed/un-attempted and/or failed assignments
- Make-up work is given at the discretion of the instructor
- NO make-up assignments are given without prior notification AND proper documentation for the absence
- If you are absent from class, have given prior notification and proper documentation of your absence, you MUST make arrangements to take the quiz or exam BEFORE the class period in which the exam will be given

Attendance Policy

- Students are expected to attend **at least** eighty percent (80%) of the total class meetings (24 classes) **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
- Unless given specific permission, students are expected to be in the class room and on time for class each class day
- Attendance will be taken 5 minutes into each class

Academic Integrity

- Any student involved in cheating will receive a zero on the assignment(s) and will be informed of why he/she received a zero.
- Student may be administratively dropped from the class and will receive an X or F.

Calculators

- Basic four function (non-graphing) calculator **required**

Class Rules:

- Be on time and ready to learn.
- Students are **not** permitted to use electronic devices in class.
- During testing, all electronic should be placed on SILENT or turned off and put in bag
- All bags and electronics must be placed at the front or back of the classroom before you will allowed to start an exam
- Adhere to the requirements of the Student Code of Conduct.

Email Policy: All students at South Plains College are assigned a standardized SPC e-mail account. Although personal email addresses will continue to be collected, the assigned SPC e-mail account will be used as the official channel of communication for South Plains College. The Student Correspondence Policy can be found at www.southplainscollege.edu. To access the SPC student e-mail account, log in to portal.office.com. (Copied from SPC Student Guide) Since all students have an assigned SPC email, the instructor will only acknowledge, respond, and send emails to your assigned SPC email. This ensures all correspondence from the instructor is received by the intended recipient.

Blackboard: Blackboard is the online course management system that will be utilized for this course. This course is supplemented online, so all access to course information and your instructor is through the Internet. This course syllabus, as well as all course materials can be accessed through Blackboard. Login at <https://southplainscollege.blackboard.com/>. The user name and password should be the same as the MySPC and SPC email.

User name: first initial, last name, and last 4 digits of the Student ID

Password: Original CampusConnect Pin No. (found on SPC acceptance letter)

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

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, and view tutoring locations.

<http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php>

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

COVID Response: South Plains College policies, return to campus plan, and protocols regarding COVID-19 can be found here: [COVID Response \(southplainscollege.edu\)](https://www.southplainscollege.edu/covid-response)

You can find all topics covered, and the order they will be covered, below in the course calendar. I would HIGHLY recommend printing out this Syllabus so that you can refer back to it to see due dates and expectations.

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: *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.

Red = Due that day by 11:59 pm

Blue = assigned that day

Week	Day	Date	Topic	Homework
1	Monday	Aug. 26	NONE	
	Tuesday	Aug. 27	Syllabus and Introductions Exponents	HW 1
	Wednesday	Aug. 28	HW 1	
	Thursday	Aug. 29	Quiz 0 Scientific Notation Order of Operations	HW 2
	Friday	Aug. 30	HW 2	
2	Monday	Sep. 2	LABOR DAY – No Class	
	Tuesday	Sep. 3	Quiz 1 Linear Equations	HW 3
	Wednesday	Sep. 4	HW 3	
	Thursday	Sep. 5	Applications of Linear Equations	HW 4
	Friday	Sep. 6	HW 4	
3	Monday	Sep. 9	NONE	
	Tuesday	Sep. 10	Quiz 2 Intro to Lines and Slopes Equations of Lines	HW 5
	Wednesday	Sep. 11	HW 5	
	Thursday	Sep. 12	Systems of Linear Equations	HW 6
	Friday	Sep. 13	HW 6	
4	Monday	Sep. 16	NONE	
	Tuesday	Sep. 17	Quiz 3 Functions, Graphs, and Models	HW 7
	Wednesday	Sep. 18	HW 7	
	Thursday	Sep. 19	Introduction to Polynomials	HW 8
	Friday	Sep. 20	HW 8	

5	Monday	Sep. 23	NONE	
	Tuesday	Sep. 24	Quiz 4 Quadratic Equations	HW 9
	Wednesday	Sep. 25	HW 9 Exam 1 Review	
	Thursday	Sep. 26	Exam 1	
	Friday	Sep. 27	NONE	
6	Monday	Sep. 30	NONE	
	Tuesday	Oct. 1	Quiz 5 Measurements and Conversions	HW 10
	Wednesday	Oct. 2	HW 10	
	Thursday	Oct. 3	Ratios and Proportions Variations	HW 11
	Friday	Oct. 4	HW 11	
7	Monday	Oct. 7	NONE	
	Tuesday	Oct. 8	Quiz 6 Simple and Compound Interest Financial Investments	HW 12
	Wednesday	Oct. 9	HW 12	
	Thursday	Oct. 10	Angles, Curves, and Polygons Triangles	HW 13
	Friday	Oct. 11	HW 13	
8	Monday	Oct. 14	NONE	
	Tuesday	Oct. 15	Quiz 7 Similarity and the Pythagorean Theorem Perimeter, Circumference, and Area	HW 14
	Wednesday	Oct. 16	HW 14	
	Thursday	Oct. 17	3-D Shapes Surface Area and Volume	HW 15
	Friday	Oct. 18	HW 15	

9	Monday	Oct. 21	NONE	
	Tuesday	Oct. 22	Quiz 8 Right Triangle Trigonometry	HW 16
	Wednesday	Oct. 23	HW 16 Exam 2 Review	
	Thursday	Oct. 24	Exam 2	
	Friday	Oct. 25	NONE	
10	Monday	Oct. 28	NONE	
	Tuesday	Oct. 29	Quiz 9 Sets, Subsets, Set Operations, and Venn Diagrams	HW 18
	Wednesday	Oct. 30	HW 18	
	Thursday	Oct. 31	Surveys and Cardinal Numbers	HW 19
	Friday	Nov. 1	HW 19	
11	Monday	Nov. 4	NONE	
	Tuesday	Nov. 5	Quiz 10 Counting by Systematic Listing Using the Fundamental Counting Principal	HW 20
	Wednesday	Nov. 6	HW 20	
	Thursday	Nov. 7	Counting Problems Involving “Not” and “or”	HW 21
	Friday	Nov. 8	HW 21	
12	Monday	Nov. 11	NONE	
	Tuesday	Nov. 12	Quiz 11 Basic Probability Concepts	HW 22
	Wednesday	Nov. 13	HW 22	
	Thursday	Nov. 14	Probability Events Involving “not” and “or”	HW 23
	Friday	Nov. 15	HW 23	

13	Monday	Nov. 18	NONE	
	Tuesday	Nov. 19	Quiz 12 Conditional Probability and Events Involving “and” Mathematics Expectations	HW 24
	Wednesday	Nov. 20	HW 24	
	Thursday	Nov. 21	Measures of Central Tendency Visual Displays of Data	HW 25
	Friday	Nov. 22	HW 25	
14	Monday	Nov. 25	Exam 3 Review	
	Tuesday	Nov. 26	Exam 3	
	Wednesday	Nov. 27		
	Thursday	Nov. 28		
	Friday	Nov. 29		
15	Monday	Dec. 2	NONE	
	Tuesday	Dec. 3	Quiz 13 – Final Exam Review	
	Wednesday	Dec. 4	NONE	
	Thursday	Dec. 5	Quiz 14 – Final Exam Review	
	Friday	Dec. 6	Final Exam Review	
Final Exam		Thursday December 12th : 8:00 am – 10:00 am		

Last day to drop – December 2nd