

South Plains College

Common Course Syllabus: MATH 1332 and Math 0332

Revised August 2021

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 1332/0332

Course Title: Contemporary Mathematics with Support

Available Formats: conventional, hybrid, and internet

Campuses: Levelland, Reese, Plainview, Lubbock Center and Dual Credit

Course Description: ([Math 1332](#)) 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.

Course Description: (Math 0332) 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.

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.

(Math 1332) Credit: 3 Lecture: 3 Lab: 0

(Math 0332) Credit: 3 Lecture: 3 Lab: 0

Textbook: (for reference only, not required) *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) The support course does not satisfy a Core Curriculum Requirement.

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.

COVID: If you are experiencing any of the following symptoms, please do not attend class and either seek medical attention or test for COVID-19.

- Cough, shortness of breath, difficulty breathing
- Fever or chills
- Muscles or body aches
- Vomiting or diarrhea
- New loss of taste and smell

Please also notify DeEtte Edens, BSN, RN, Associate Director of Health & Wellness, at dedens@southplainscollege.edu or 806-716-2376. Proof of a positive test is required. A home test is sufficient but students must submit a photo of the positive result. The date of test must be written on the test result and an ID included in the photo. If tested elsewhere (clinic, pharmacy,

etc.), please submit a copy of the doctor's note or email notification. Results may be emailed to DeEtte Edens, BSN, RN at dedens@southplainscollege.edu.

A student is clear to return to class without further assessment from DeEtte Edens, BSN, RN if they have completed the 5-day isolation period, symptoms have improved, and they are without fever for 24 hours without the use of fever-reducing medication. Students must communicate with DeEtte Edens, BSN, RN prior to their return date if still symptomatic at the end of the 5-day isolation.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others' behavior that is rude, disruptive, intimidating, aggressive, or demeaning. 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.

Diversity Statement: In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction.

Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Disability Statement: Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Lubbock Centers (Downtown) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

Nondiscrimination Policy: South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

Title IX Pregnancy Accommodations Statement: If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To activate accommodations, you must submit a Title IX pregnancy accommodations

request, along with specific medical documentation, to the Health and Wellness Center. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Health and Wellness Center at 806-716-2529 or email rcanon@southplainscollege.edu for assistance.

Campus Concealed Carry: Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations and Frequently Asked Questions, please refer to the Campus Carry page at: <http://www.southplainscollege.edu/campuscarry.php> Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

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.

Contemporary Math Syllabus

Gina Becker
gbecker@southplainscollege.edu
Downtown Center B018
806.716.4684

| Monday | Tuesday | Wednesday | Thursday | Friday |
|---------------|---------------|---------------|---------------|-------------|
| 8:00 - 9:30 | 8:00 - 9:30 | 8:00 - 9:30 | 8:00 - 9:30 | 8:30 - 9:30 |
| 10:45 - 11:00 | 10:45 - 11:00 | 10:45 - 11:00 | 10:45 - 11:00 | |
| | | 5:15 - 5:30 | | |

ATTENDANCE

- Your presence in class provides the best opportunity for you to pass.
- Course attendance will be taken each class. Per South Plains College Math Department policy, you may be administratively dropped from the course if your number of missed submissions goes over 20% of all submissions.
- Using your phone or leaving class for extended breaks disrupts your learning process.
- **No make up Quizzes or Exams due to absence will be offered.**

CLASS STRUCTURE

- This class meets in person 4 times each week. If you miss class for any reason, the notes and recorded lectures may be found on Blackboard.

GRADING

| Homework | Quizzes | Exams |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Assigned each day. Due the next class day. Assignments will be uploaded to Gradescope. | Weekly, on non-exam weeks. Will cover the material from the previous week. | Given at the end of each unit. The review counts as a homework grade. |
| Math 1332 has 27 homework assignments. Math 0332 has 29 homework assignments <i>Late assignments are not accepted.</i> | Math 1332 has 8 quizzes. Math 0332 has 12 quizzes. <i>You must be present to take the quiz. No makeups offered.</i> | Math 1332 has 4 unit exams. <i>You must be present to take the exam. No makeups offered.</i> |
| Each homework is worth 0.4 points | Math 1332 - each quiz worth 4 points. Math 0332 - each quiz worth 5 points. | Each exam is worth 10 points. Math 1332 -The Final Exam will be worth 20 points Math 0332 - The Final Exam will be worth 30 points. |
| Math 1332 - 8 points | Math 1332 - 32 points | Math 1332 - 40 points Final Exam - 20 points 100 points total |
| Math 0332 - 10 points | Math 0332 - 60 points | Math 0332 - 30 points 100 points total |

Grades assigned by point total:

A: 90 - 100

B: 80-90

C: 70 - 80

D: 60 - 70

F: Below 60

Pass this Class

Be present in class, both physically and mentally.

Print notes from Blackboard and bring to class. Use a 3 ring binder to keep them organized.

If you prefer to write notes on paper, use a spiral.

Complete homework on the day it is assigned. Then you will be able to ask questions, if needed.

Ask questions! When you send an email, send a picture of your work.

You may use your homework on your quiz. **Write the title for the assignment on the page.**

To receive full credit on practice problems and exams, you must show all work that leads to your answers. The work must be legible, make sense and be easy to follow. All work and answers should be handwritten.

The best way to study for a math exam is to practice working problems over and over again.

Supplies

- A textbook is not required for this course. If you prefer to have a supplemental text for your own reference, use: ***Thinking Mathematically*, Blitzer, 8th Edition, Pearson. ISBN 9780137551262**
- Homework and notes will be provided on Blackboard.
- pencils, 3 ring binder and notebook paper or 300 page spiral, 3" x 5" notecards
- Computer or cell phone that you can use to check Blackboard and emails and to **upload your homework to Gradescope.**
- Scientific Calculator (TI-30X2 is a good and inexpensive option.)



Other information

- **Communication:** Any questions or comments should be sent using SPC email. I will do my best to respond within 24 hours of receipt. Any email sent on a weekend may not be answered until Monday.
- **Blackboard:** This course syllabus, as well as any class handouts and assignments may be accessed through Blackboard. Login at <http://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 Number (found on SPC acceptance letter)

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

- **SPC Tutoring Options: In Person:** 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 tutor.com link on the left-hand tool bar and grab a session with a tutor. You can access tutor.com tutors during the following times: Monday – Thursday: 8pm-8 am Friday 6 pm –Monday morning 8am Free tutoring is available through the college. Check Blackboard for additional information about tutoring.
- **Withdrawal from course:** Fill out the Student Initiated Drop Form found at <https://www.southplainscollege.edu/admission-aid/apply/schedulechanges.php>. SPC might not permit an undergraduate student to drop a total of more than six courses (including any course a transfer student has dropped at another institution of higher education.)

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.

Tentative Course Schedule

| Week | Monday | Tuesday | Wednesday | Thursday |
|---------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 1 | January 15 No Class | January 16 Course Introduction | January 17 Course Introduction | January 18 SC1.1 Order of Operations and Exponents |
| 2 | January 22 1.1 Order of Operations, Exponents | January 23 SC1.2 Solving Linear Equations Quiz 1 | January 24 1.2 Solving Linear Equations Quiz 1 | January 25 SC1.3 Applications of Linear Equations |
| 3 | January 29 1.3 Applications of Linear Equations | January 30 SC1.4 Distance and Midpoint, Lines and Slope Quiz 2 | January 31 1.4 The Rectangular Coordinate System, Distance and Midpoint and Introduction to Lines and Slope Quiz 2 | February 1 SC1.5 Equations of Lines and Functions; Graphs and Models |
| 4 | February 5 1.5 Equations of Lines and Functions, Graphs and Models | February 6 SC1.6 Systems of Linear Equations and Applications Quiz 3 | February 7 1.6 Systems of Linear Equations and Applications 1.7 Unit 1 Review Quiz 3 | February 8 SC2.1 Solving Quadratic Equations Decimals and Percent and Scientific Notation |
| 5 | February 12 2.1 Solving Quadratic Equations Decimals and Percent and Scientific Notation | February 13 Review for Exam Quiz 4 | February 14 Unit 1 Exam | February 15 SC2.2 Ratios and Proportions and Variation |
| 6 | February 19 2.2 Ratios and Proportions and Variation | February 20 SC2.3 Simple and Compound Interest Quiz 5 | February 21 2.3 Simple and Compound Interest Quiz 4 | February 22 SC2.4 Loan Amortization |
| 7 | February 26 2.4 Loan Amortization; The Cost and Advantages of Home Ownership | February 27 SC2.5 Financial Investments Quiz 6 | February 28 2.5 Financial Investments 2.6 Unit 2 Review Quiz 5 | February 29 SC3.1 Measurement and Conversions |
| 8 | March 4 3.1 Measurement and Conversions | March 5 Review for Exam Quiz 7 | March 6 Exam 2 | March 7 SC3.2 Angles |
| Spring Break | | | | |
| 9 | March 18 3.2 Angles, Curves and Polygons | March 19 SC3.3 Triangles: Similarity, The Pythagorean Theorem; Perimeter and Circumference Quiz 8 | March 20 3.3 Triangles: Similarity, The Pythagorean Theorem; Perimeter and Circumference Quiz 6 | March 21 SC3.4 Area, Surface Area, and Volume |

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| 10 | March 25 3.4 Area, Surface Area and Volume | March 26 SC3.5 Right Triangle Trigonometry Quiz 9 | March 27 3.5 Right Triangle Trigonometry Quiz 7 | March 28 3.6 Review for Exam |
| 11 | April 1 3.6 Unit 3 Review | April 2 Review for Exam Quiz 10 | April 3 Unit 3 Exam | April 4 SC4.1 Sets, Subsets, and Venn Diagrams, Cardinal Numbers and Surveys |
| 12 | April 8 4.1 Sets, Subsets, and Venn Diagrams, Cardinal Numbers and Surveys | April 9 SC4.2 Counting by Systematic Listing, Using the Fundamental Counting Principle Quiz 11 | April 10 4.2 Counting by Systematic Listing, Using the Fundamental Counting Principle Quiz 8 | April 11 SC4.3 Counting Problems Involving “Not” and “Or” and Basic Probability |
| 13 | April 15 4.3 Counting Problems Involving “Not” and “Or” and Basic Probability | April 16 SC4.4 Probability Events Involving Not and Or and Conditional Probability and Events Involving And Quiz 12 | April 17 4.4 Probability Events Involving Not and Or and Conditional Probability and Events Involving And Quiz 9 | April 18 4.5 Review for Exam |
| 14 | April 22 4.5 Unit 4 Review | April 23 Review for Exam Quiz 13 | April 24 Unit 4 Exam | April 25 SC5.1 Visual Displays of Data and Measures of Central Tendency <i>Last Day to Withdraw</i> |
| 15 | April 29 5.1 Visual Displays of Data and Measures of Central Tendency | April 30 Final Exam Review | May 1 Final Exam Review | May 2 Final Exam Review |
| Finals Week | | | May 8 Final Exam 8:00 – 10:00 | |