

**South Plains College**  
**Common Course Syllabus: MATH 0332**  
**Revised July 2024**

**Department:** Mathematics, Engineering, and Computer Science

**Discipline:** Mathematics

**Course Number:** MATH 0332 and 1332

**Course Title:** Contemporary Mathematics Support Course

**Available Formats:** conventional, hybrid, and internet

**Campuses:** Levelland, and Downtown Center

**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.

**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.

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

**MATH 1332 Part of the Course**

**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.

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

**Textbook:** No textbook is required for this course.

**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>.

*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 Corequisite Contemporary Math Syllabus**  
**MATH 0332/1332.C002 – Spring 2025**

**Monday & Wednesday      9:30AM – 10:45AM & 1:00PM – 2:15PM      M128**

**Instructor:** Jennifer Brazil

**Office:** M109 (Lev)

**Telephone:** (806) 716-2646

**Email:** [jbrazil@southplainscollege.edu](mailto:jbrazil@southplainscollege.edu) (preferred method of contact)

**Office Hours:** As listed below or by appointment. I will be in my office on the Levelland campus during face to face (F2F) times listed below if you wish to meet in person. I will be online (via teams) during office hours or by appointment. Feel free to stop by anytime. If I'm in my office, you're welcome to come in.

*If you need to schedule a time to meet outside of the office hours below, please email me to set up a time.*

| Day                | Times                                   | Location                               |
|--------------------|---|--|
| Monday & Wednesday | 2:15 PM – 3:00 PM                       | M109 (Lev) or Teams                    |
| Tuesday & Thursday | 8:45 AM – 11:00 AM<br>5:00 PM – 5:30 PM | M109 (Lev) or Teams<br>B011 (Downtown) |
| Friday             | 9:00 AM – 10:00 AM                      | M109 (Lev) or Teams                    |

**Email Correspondence:** Our primary forms of communication will be Blackboard announcements as well as email. If you have a private question that you want to ask outside of class, email is the preferred method of contact. You are expected to use your SPC email address to do so. Due to privacy concerns, I will not reply to an email from you from a different email address. If you email about a specific homework question, please include a picture of the question and the work that you have tried in the email. If you need/want to set up a meeting because you don't feel your question can be answered adequately via email, either come by during office hours or email me to set up a meeting time (meeting can be either virtual or face-to-face).

**Disclaimer:** The instructor reserves the right to alter any class policies/dates as deemed necessary by the instructor. If there are any changes, they will be announced **in class and via an announcement in Blackboard.**

**Showing Work:** To receive full credit on an assignment, you must show all work that leads to your answer(s). The work must be legible, make sense and be easy to follow. All work and answers must be handwritten. Correct answers without mathematically accurate work may not receive full credit.

**Course Supplies:**

- **Required:** Scientific Calculator (with log, ln, sin, cos and tan). Suggested TI-30XIIS. They are inexpensive and user friendly. Graphing calculators are not allowed. There may be some assignments where you are not allowed to use any calculator.
- **Required:** Large 3-ring binder, dividers, notebook paper, graph paper (available to print on blackboard), hole punch, pencils, and erasers.
- **Required:** Printed Notes. A blank copy of the notes will be posted on Blackboard and you will be expected to print them and have them in class. You are expected to fill them out during class. If you miss class for any reason, you will need to locate the completed notes on Blackboard and ask questions during office hours. Your completed notes will be a requirement in the binder check.

**Attendance:** 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 you fail to complete and turn in an assignment (**for any reason**) by the specified date and time, then it will count against your 80%. If your number of absences goes above **twelve**, you may be dropped from the class with either an X (if you exceed that number before the drop date) or an F (if you exceed that number after the drop date). Class attendance may be taken at any time during the class period, so please do not be late or leave early. Leaving early and/or being tardy will be considered ½ absence.

**Face-to-Face Course Cancellation:** In the event that our face-to-face class is cancelled (due to instructor illness, weather, etc.), I will send out a Blackboard announcement with instructions for that day.

**Daily Assignments (Homework):**

- Homework will be assigned at each class. Work the problems early enough to seek help if needed.
- Homework is due in Blackboard at the end of each week. Late homework will only be accepted until the day of the exam covering that material and will be penalized 20%.
- Assignments are not accepted after the exam covering that lesson under any circumstances. If an assignment is turned in late, it will be a zero.
- Homework will be graded in two ways:
  1. Completion (50% of HW grade)
  2. I will spot check 3-5 questions (50% of HW grade)
- On all assignments, you are expected to write your full name at the top, give the assignment a title and clearly number the questions.
- To receive full credit on homework problems, you must show work that is legible and it must make sense (mathematically accurate).
- Keys to the homework assignments are posted on Blackboard so that you can check your answers. Please remember that when I grade, not only will I grade the answer, I am grading your work that leads to that answer.
- At the end of the semester, the lowest 4 daily grades (homework/binder) will be dropped.

**Binder:**

- All students will keep a binder which will be used as a reference and study guide. If done correctly, this binder can serve as a course book and is a great resource to have.
- The binder will be graded randomly by the instructor during the semester. Each time it is graded, you will receive a daily grade for it.

**Binder organization:**

- Section 1: Syllabus
- Section 2: Unit 1: By section Notes and Assignment. At the end of the unit you will have a review and an Exam.
- Section 3: Unit 2
- Section 4: Unit 3
- Section 5: Unit 4
- Section 6: Comprehensive Review

*Note: Being absent does not excuse you from notes or homework. Notes printouts, notes keys, and assignments are available on Blackboard and should be printed and completed even if you are not in class.*

**Professionalism:**

- Class Participation consists of student's attendance and participation in class discussions.
- Students are expected to follow along in class lectures and complete notes as we learn.
- Absence and tardiness will count against the daily professionalism grade.

**Exams:**

- 4 Unit Exams and a comprehensive Final Exam
- Leaving the class during an exam is not permitted.
- There are no exemptions for the final.
- If you are going to miss an exam, contact your instructor immediately (preferably prior to the exam). Students are only allowed to take an exam outside of the scheduled testing time under extreme and documented circumstances. The instructor will determine if an exam given outside of our regular testing time is warranted based upon the documentation provided by the student.
- If your grade on your final exam is higher than one of the unit tests, I will replace that unit test grade with your final exam grade.
- All electronic communication devices (phones, smart watches, headphones etc) must be put away during exams. Failure to do so will result in a grade of zero on the exam.

### Grading Formula:

Class attendance and a strong work ethic do not guarantee a passing grade. However, these two things are extremely important and do increase the likelihood of passing. The final responsibility for learning lies with the student. The final letter grade for this course will be based on the assignments and percentages listed.

|                 |     |
|-----------------|-----|
| Tests (4)       | 40% |
| Daily/Homework  | 15% |
| Weekly Quiz     | 15% |
| Professionalism | 5%  |
| Final Exam      | 25% |

### Final Grade Determination for College-Level Part of the Course (MATH-1332):

A 90+    B 80-89    C 70-79    D 60-69    F 59 or below

**Corequisite Grade Information:** In order to be in this class, you must register for two separate math classes (MATH 0332 and MATH 1332). Your grade in the college level part of the course (MATH 1332) will be determined using the formula above. Your grade in the support course (MATH 0332) will be a pass/fail (P/F). If you make a grade of A, B, or C in the MATH 1332 portion of the course, you will receive a P for MATH 0332. If you make a grade of D in the MATH 1332 portion of the course, you will receive a grade of P or F for MATH 0332 based on the instructor discretion and consideration of your Math 1332 test grades. If you make an F in the Math 1332 portion of the course, you will receive an F for Math 0332. Your current course grade can be found on Blackboard throughout the semester so you should know where you stand.

**Reviewing Grades on Blackboard:** After I grade your assignments and exams, I will post that assignment/exam grade to Blackboard. Therefore, you should be able to log into Blackboard to see a current course average.

### Academic Dishonesty:

Academic dishonesty will not be tolerated. Please see the list of things that constitute plagiarism and cheating in the general 0332/1332 syllabus above. If you violate anything on those lists, you will receive a zero on the assignment/test and could be subject to other actions outlined in the South Plains College Student Code of Conduct.

### Resources:

- Blackboard! Outside of the classroom, Blackboard is the hub of the class. The course syllabus, calendar, gradebook, “how to” files, notes handouts, notes videos, and assignments will be available on Blackboard.
- I am available to help you! You may visit with me (either face to face or virtually) during office hours. Also, feel free to email me questions at [jbrazil@southplainscollege.edu](mailto:jbrazil@southplainscollege.edu) or via teams. When emailing about a specific homework problem, be sure to include a picture of the problem as well as any work you have tried.
- Peer tutoring is available via SPC. 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>.
- You also have 180 FREE minutes of online tutoring with a company named Brainfuse each week. Your hours reset every Monday morning. Log into Blackboard, click on the “Tools” option from the left-hand menu bar. Click on the Brainfuse Live Tutoring link and you will automatically be logged in for free tutoring. You may access tutor.com tutors during the following times:
  - Monday – Thursday: 8:00 p.m. – 8:00 a.m.
  - 6:00 p.m. Friday – 8:00 a.m. Monday

**Withdrawal Policy:** As required by Texas Education Code Section 51.907, all new students who enroll in a Texas public institution of higher education for the first time beginning with the 2007 fall semester and thereafter, are limited to six course drops throughout their entire undergraduate career. All course drops, including those initiated by students or faculty and any course a transfer student has dropped at another institution, automatically count toward the limit. After six grades of W are received, students must receive grades of A, B, C, D, or F in all courses. There are other exemptions from the six-drop limit and students should consult with a Counselor/Educational Planner before they drop courses to determine these exemptions. Students receiving financial aid must get in touch with the Financial Aid Office before withdrawing from a course. It is the student’s responsibility to drop. Excessive absences will result in an administrative withdrawal with a Grade of X or F. If you plan to withdraw, please consult with the instructor immediately. **Note: The last day to drop with a grade of W is Thursday, April 24, 2025.**

**Classroom Etiquette:**

- Follow the South Plains College COVID-19 guidelines and expectations.
- Students are expected to be respectful of their fellow classmates and maintain a classroom environment that is conducive to learning. Refrain from using offensive language, talking loudly or off-topic, working on outside assignments, or otherwise being disruptive in class.
- NO tobacco use of any form is allowed in the classroom.
- Food and/or drinks are NOT allowed in the classroom.
- Habitually disruptive students will be asked to leave.
- All electronic communication devices are to be silenced and put away during class unless you are specifically told otherwise by your instructor. You will be given one verbal warning, after which you will be asked to leave.
- If I have to ask you to leave class for any reason (refusal to comply with COVID-19 guidelines, class disruption, cell phone usage etc), you will receive a zero for the day's assignment.

**Succeeding in a Math Class:**

- Attend class every class period that you are assigned to be here.
- Check your SPC email and Blackboard at least once per day.
- Be mentally present! Pay attention, take notes and ask questions during class.
- Plan ahead. Do homework early enough before the due date that you will have time to ask questions or seek help if you need it.
- For every hour spent in class (this class is roughly 6 classroom hours per week), you should expect to spend 2-3 hours outside of class working on this course. This includes time spent on homework and studying for exams.
- Get to know at least one other person in class and exchange contact information.
- Get help as soon as you feel yourself falling behind! Don't wait!
- All notes handouts, notes keys and assignments for the course are posted on Blackboard. If you want to get ahead, that is encouraged.
- I have found that the best way for a student to study for a math exam is to practice working problems over and over (relying on your notes as little as possible).
- Everyone learns and studies differently. I encourage you to seek out and find what works best for you.

### Contemporary Mathematics Tentative Course Outline

|                     | Monday   |   | Wednesday   |   | Due Dates  |
|---------------------|--|---|---|---|--|
|                     | 9:30 AM  | 1:00 PM   | 9:30 AM   | 1:00 PM   | Sundays  |
| 1                   | Jan. 13 <sup>th</sup><br>Welcome   | 1.1 Exponents,<br>Order of Operations,<br>Scientific Notation | 15 <sup>th</sup><br>1.2 Solving Linear<br>Equations                                     | Practice 1.2  | 19 <sup>th</sup><br><b>Syllabus Quiz</b><br>HW 1.1, HW 1.2   |
| 2                   | 20 <sup>th</sup><br><b>HOLIDAY</b>   |   | 22 <sup>nd</sup><br><b>Quiz 1 (1.1, 1.2)</b><br>1.3 Applications of<br>Linear Equations | Practice 1.3  | 26 <sup>th</sup><br>HW 1.3                                   |
| 3                   | 27 <sup>th</sup><br>1.4 Intro to<br>Polynomials  | 1.5 Solving<br>Quadratic Equations                            | 29 <sup>th</sup><br><b>Quiz 2 (1.3, 1.4)</b><br>1.6 The Coordinate<br>System            | 1.7 Lines, Slopes,<br>and Rate of Change            | Feb. 2 <sup>nd</sup><br>HW 1.4, HW 1.5<br>HW 1.6, HW 1.7     |
| 4                   | Feb. 3 <sup>rd</sup><br><b>Quiz 3 (1.5 – 1.7)</b><br>1.8 Eqs of Lines  | 1.9 Functions,<br>Graphs, and Models                          | 5 <sup>th</sup><br>1.10 Systems of<br>Linear Equations                                  | 1.11 Systems of<br>Linear Equations<br>Applications | 9 <sup>th</sup><br>HW 1.8, HW 1.9,<br>HW 1.10, HW 1.11       |
| 5                   | 10 <sup>th</sup><br><b>Quiz 4 (1.8 – 1.11)</b><br>Work on Review 1   | Work on Review 1  | 12 <sup>th</sup><br>Review Session  | <b>Exam 1</b>                                       | 16 <sup>th</sup><br><b>Final deadline 1</b>                  |
| 6                   | 17 <sup>th</sup><br>2.1 Measurements<br>and Conversions  | 2.2 Ratios and<br>Proportions                                 | 19 <sup>th</sup><br>2.2 Variation   | 2.4 Simple and<br>Compound Interest                 | 23 <sup>rd</sup><br>HW 2.1, HW 2.2,<br>HW 2.3, HW 2.4        |
| 7                   | 24 <sup>th</sup><br><b>Quiz 5 (2.1 – 2.4)</b><br>2.5 Loans   | 2.6 Financial<br>Investments                                  | 26 <sup>th</sup><br>Work on Review 2  | Work on Review 2                                    | Mar. 2 <sup>nd</sup><br>HW 2.5, HW 2.6                       |
| 8                   | Mar. 3 <sup>rd</sup><br><b>Quiz 6 (2.5, 2.6)</b><br>Review Session   | <b>Exam 2</b>   | 5 <sup>th</sup><br>3.1 Angles, Curves,<br>and Polygons                                  | 3.2 Triangles                                       | 9 <sup>th</sup><br><b>Final deadline 2</b><br>HW 3.1, HW 3.2 |
| 9                   | 10 <sup>th</sup><br><b>Quiz 7 (3.1, 3.2)</b><br>3.3 Shapes – 2D  | 3.4 Shapes – 3D   | 12 <sup>th</sup><br>3.5 Right Triangle<br>Trigonometry                                  | Practice 3.5  | 16 <sup>th</sup><br>HW 3.3, HW 3.4,<br>HW 3.5                |
| <b>Spring Break</b> |  |   |   |   |  |
| 10                  | 24 <sup>th</sup><br>Work on Review 3   | Work on Review 3  | 26 <sup>th</sup><br><b>Quiz 8 (3.3 – 3.5)</b><br>Review Session                         | <b>Exam 3</b>                                       | 30 <sup>th</sup><br><b>Final deadline 3</b>                  |
| 11                  | 31 <sup>st</sup><br>4.1 Sets & Venn<br>Diagrams  | 4.2 Surveys &<br>Cardinal Numbers                             | Apr. 2 <sup>nd</sup><br>4.3 Counting by<br>Systemic Listing                             | 4.4 Fundamental<br>Counting Principal               | 6 <sup>th</sup><br>HW 4.1, HW 4.2,<br>HW 4.3, HW 4.4         |
| 12                  | 7 <sup>th</sup><br><b>Quiz 9 (4.1 – 4.4)</b><br>4.5 Counting Pblms   | 4.6 Basic<br>Probability<br>Concepts                          | 9 <sup>th</sup><br>4.7 Probability<br>Events (Not/Or)                                   | 4.8 Conditional<br>Probability (And)                | 13 <sup>th</sup><br>HW 4.5, HW 4.6,<br>HW 4.7, HW 4.8        |
| 13                  | 14 <sup>th</sup><br><b>Quiz 10 (4.5 – 4.8)</b><br>4.9 Expected Value   | Practice 4.9  | 16 <sup>th</sup><br>4.10 Visual<br>Displays of Data                                     | 4.11 Measures of<br>Central Tendency                | 20 <sup>th</sup><br>HW 4.9, HW 4.10,<br>HW 4.11              |
| 14                  | 21 <sup>st</sup><br><b>Quiz 11 (4.9 – 4.11)</b><br>Work on Review 4  | Work on Review 4  | 23 <sup>rd</sup><br>Review Session  | <b>Exam 4</b>                                       | 27 <sup>th</sup><br><b>Final deadline 4</b>                  |
| 15                  | 28 <sup>th</sup><br>Work on Final<br>Review  | Work on Final<br>Review                                       | 30 <sup>th</sup><br>Review Session  | Review Session                                      |  |
| 16                  | May 5 <sup>th</sup> - 8 <sup>th</sup><br><b>Comprehensive Final Exam on Wednesday, May 7<sup>th</sup> from 10:15AM – 12:15PM</b> |   |   |   |  |

*Note: This schedule is tentative and may be altered as deemed necessary by the instructor. If there are any changes, they will be announced in class and/or via a Blackboard announcement.*