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 andstatistics 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/PearsonEducation

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 Syllabus Statement: It is the policy of South Plains College that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. There will be no requirement for face coverings at any location on any South Plains College campus or classroom. Faculty, staff, or students may continue to wear a mask voluntarily, but there will be no requirements for face coverings in any circumstance. Students who believe they have been exposed or may be COVID-19 positive, must contact Health Services, DeEtte Edens, BSN, RN at (806) 716-2376 or dedens@southplainscollege.edu.

If you are experiencing any of the following symptoms please do not attend class and either seek medical attention or get tested 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.

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, Reese Center (Building 8) 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 Director of Health and Wellness. 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 Director of Health and Wellness at 806-716-2362 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 arenot 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.

Instructor Information – Spring 2022
Contemporary Mathematics
Math 1332.C203 W 5:30 – 6:45
Math 0332.C203 M 5:30 – 6:45

Instructor: Gina Becker, BSE, M Ed **Phone:** 806.716.4684
Email: gbecker@southplainscollege.edu **Office:** Reese 223D

Office hours:

Monday*	Tuesday*	Wednesday*	Thursday*	Friday*
8:30 – 9:30	8:30 – 9:30	8:30 – 9:30	8:30 – 9:30	8:30 – 9:30
10:45 – 11:00	10:45 – 11:45	10:45 – 11:00		
5:00 – 5:30	12:30 - 1:00	5:00 – 5:30		

*or by appointment

Class Structure:
The class will meet in person two times each week. If you must miss class for any reason,the notes and videos may be found on Blackboard. You will be responsible to watch the videos and complete the homework for two additional days each week.

Class Attendance:
Attendance and engagement are the most critical activities for success in this course. The instructor maintains records of all student's attendance and submission of assignments throughout the semester. Students are expected to attend at least eighty percent (80%) of the **total** class meetings (no more than 6 absences) **and** submit at least eighty percent (80%) of the **total** class assignments (no more than 8 zeroes) to have the best chance of success. If a student fails to meet these minimum requirements, the instructor may remove the student from the class with an X. Arriving more than 10 minutes late or leaving for part of the class will be counted as an absence.

Assignments & Grading (All assignments will be graded within one week of submission):
Math 1332
Homework assignments will be assigned each class day and will be due on the following class day. You will scan and save your homework as a pdf and then upload your completed homework into Gradescope on or before the due date/time. Each homework assignment is worth 0.4 points.

Quizzes will be given weekly on non-exam weeks and **no makeup quizzes will be offered**. To receive credit, all work for each problem must be shown. Each quiz is worth 4 points. Missing a quiz will result in 0 points for that quiz.

Exams will cover material from previous sections. Four exams will be worth 10 points each and the comprehensive final exam will be worth 20 points. **There are no makeup exams.** If you miss an exam, your final exam grade may be used to replace a missed exam. The final exam is mandatory to complete the course.

Your final point value will determine your letter grade for this class and will be determined by the following scale:

A - 90-100	
B - 80-89	
C - 70-79	
D - 60-69	
F - 0-59	

Homework	8
Quizzes	32
Exams	40
Final Exam	20
Total	100 points

Math 0332 (**All assignments will be graded within one week of submission.)**
Class Design
In this corequisite course, you will receive an assignment each Tuesday/Thursday. This assignment is designed to give you background information for the topics in the Contemporary Mathematics course. You will watch the video and complete the assignment before coming to class on campus.

Homework assignments from Monday and Tuesday assignments will be due on Wednesday. Wednesday and Thursday assignments will be due on the following Monday. You will scan and save your homework as a pdf and then upload your completed homework into Gradescope on or before the due date. Each homework assignment is worth 0.3 points.

Quizzes will be given weekly and no makeup quizzes will be offered. To receive credit, all work for each problem must be shown. The quiz will be given at the end of class on Monday, covering the material from the previous week. Each quiz is worth 6 points. Missing a quiz will result in 0 points for that quiz.

Final Exam: The final comprehensive exam taken in the Math 1332 course will be worth 20 points.

Grade
Your final point value will determine your letter grade for this class and will be determined by the following scale:

P – 70 - 100
F – 0 - 69

Homework	8
Quizzes	72
Final Exam	20
Total	100 points

To maximize potential for successfully completing this course:

- Print notes provided on Blackboard and fill in examples during class. You may also print the notes and complete them as you watch the videos.
- Attend class prepared to complete lecture notes and ask questions.
- Cell phones provide the opportunity for distraction. You should choose to refrain from checking during class.
- Complete homework assignment on the day it is assigned. If you have difficulty working a problem, come to office hours before class or contact the academic coach.
- Check Blackboard and your SPC email often for any updates.
- Be prepared for Quizzes and Exams. Makeups are not available.

Supplies:

- A textbook is not required for this course. If you prefer to have a supplemental text for your own reference, use: *Mathematical Ideas*, Miller, Heeren, and Hornsby, 2019, 14th Edition, PrenticeHall/Pearson Education. ISBN 9780134995588
- Homework and notes will be provided on Blackboard.
- Scientific Calculator (TI-30X2 is a good and inexpensive option.)
- pencils, notebook paper, 3” x 5” notecards
- Computer or cell phone that you can use to check Blackboard and emails and to upload your homework to Gradescope.
- Download OneDrive to use on your phone and/or computer. This application is the easiest way to scan and submit your homework on Gradescope.

Communication:
Any questions or comments should be sent using SPC email. The instructor will do her best to respond to your email within 24 hours of receipt. Any email sent on a weekend may not be answered until Monday.

Blackboard:
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 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 asession with a tutor. You can access tutor.com tutors during the following times:
Monday – Thursday: 8 pm-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.)

If you are unable to attend class due to extenuating circumstances and *you receive permission to join class through Collaborate,* **you must turn on your camera and your microphone.**

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 17** No Class	**January 18** **Syllabus** **Assignment 1** Order of Operations and Exponents	**January 19** 1.1 Order of Operations, Exponents	**January 20** **Assignment 2** Solving Linear Equations
2	**January 24** 1.2 Solving Linear Equations **Quiz 1**	**January 25** **Assignment 3** Applications of Linear Equations	**January 26** 1.3 Applications of Linear Equations **Quiz 1**	**January 27** **Assignment 4** Distance and Midpoint, Lines and Slope
3	**January 31** 1.4 The Rectangular Coordinate System, Distance and Midpoint and Introduction to Lines and Slope **Quiz 2**	**February 1** **Assignment 5** Equations of Lines and Functions; Graphs and Models	**February 2** 1.5 Equations of Lines and Functions, Graphs and Models **Quiz 2**	**February 3** **Assignment 6** Systems of Linear Equations and Applications
4	**February 7** 1.6 Systems of Linear Equations and Applications **Quiz 3**	**February 8** **Assignment 7** Introduction to Polynomials and Solving Quadratic Equations	**February 9** 1.7 Introduction to Polynomials and Solving Quadratic Equations **Quiz 3**	**February 10** **Assignment 8** Decimals and Percent and Scientific Notation
5	**February 14** 2.1 Decimals and Percent and Scientific Notation **Quiz 4**	**February 15** **Review for Exam**	**February 16** Exam 1	**February 17** **Assignment 9** Ratios and Proportions and Variation
6	**February 21** 2.2 Ratios and Proportions and Variation **Quiz 5**	**February 22** **Assignment 10** Simple and Compound Interest	**February 23** 2.3 Simple and Compound Interest **Quiz 4**	**February 24** **Assignment 11** Loan Amortization
7	**February 28** 2.4 Loan Amortization; The Cost and Advantages of Home Ownership **Quiz 6**	**March 1** **Assignment 12** Financial Investments	**March 2** 2.5 Financial Investments **Quiz 5**	**March 3** **Assignment 13** Measurement and Conversions; Angles, Curves and Polygons
8	**March 7** 3.1 Measurement and Conversions; Angles, Curves and Polygons **Quiz 7**	**March 8** **Review for Exam**	**March 9** **Exam 2**	**March 10** **Assignment 14** Triangles: Similarity and the Pythagorean Theorem

9	**March 21** 3.2 Triangles: Similarity and the Pythagorean Theorem **Quiz 8**	**March 22** **Assignment 15** Perimeter, Circumference and Area	**March 23** 3.3 Perimeter, Circumference and Area **Quiz 6**	**March 24** **Assignment 16** 3-D Shapes, Surface Area and Volume
10	**March 28** 3.4 3-D Shapes, Surface Area and Volume **Quiz 9**	**March 29** **Assignment 17** Right Triangle Trigonometry	**March 30** 3.5 Right Triangle Trigonometry **Quiz 7**	**March 31** **Assignment 18** Sets, Subsets, and Venn Diagrams, Cardinal Numbers and Surveys
11	**April 4** 4.1 Sets, Subsets, and Venn Diagrams, Cardinal Numbers and Surveys **Quiz 10**	**April 5** **Review for Exam**	**April 6** **Exam 3**	**April 7** **Assignment 19** Counting by Systematic Listing, Using the Fundamental Counting Principle
12	**April 11** 4.2 Counting by Systematic Listing, Using the Fundamental Counting Principle **Quiz 11**	**April 12** **Assignment 20** Counting Problems Involving "Not" and "Or" and Basic Probability	**April 13** 4.3 Counting Problems Involving "Not" and "Or" and Basic Probability **Quiz 8**	**April 14** **Assignment 21** Probability Events Involving Not and Or and Conditional Probability and Events Involving And
13	**April 18** 4.4 Probability Events Involving Not and Or and Conditional Probability and Events Involving And **Quiz 12**	**April 19** **Assignment 22** Mathematical Expectation and Visual Displays of Data	**April 20** 4.5 Mathematical Expectation and Visual Displays of Data **Quiz 9**	**April 21** **Assignment 23** Measures of Central Tendency
14	**April 25** Review for Exam	**April 26** **Review for Exam 4**	**April 27** **Exam 4**	**April 28** **Assignment 24** Measures of Central Tendency *Last Day to Drop*
15	**May 2** 4.6 Measures of Central Tendency	**May 3** **Review**	**May 4** Review	**May 5** **Review**
Finals Week	**May 9** Final Exam 5:30 – 7:30			