

**South Plains College**  
**Common Course Syllabus: MATH 1332**  
**Revised December 2019**

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

**Discipline:** Mathematics

**Course Number:** MATH 1332

**Course Title:** Contemporary Mathematics

**Available Formats:** conventional and internet

**Campuses:** Levelland, Reese, Plainview, 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 TSIA, TSI-exempt status, or a successful completion with a grade of 'C' or better in MATH 0337.

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

**Textbook:** *Mathematical Ideas*, Miller, Heeren, and Hornsby, 2019, 14<sup>th</sup> 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 Policy:** Attendance and effort are the most important activities for success in this course. Records of your attendance are maintained throughout the semester. Five (5) absences, *for any reason*, are allotted to the student for the semester. Tardies count as one-half (1/2) of an absence. Tardies will be applied for consistently being late to class, as deemed by the instructor and leaving class early. If this number is exceeded, the instructor has the right to drop you with a grade of F or an X, depending on their discretion.

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 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 cgilster@southplainscollege.edu](mailto:cgilster@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 s

**Course-Specific Contemporary Math Syllabus**  
**Math 1332.151**  
**Summer II 2020**

**Instructor:** Leah Chenault   **Office:** M106           **Telephone:** (806)716-2740

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

**Office Hours and Contact Info:** Since this is a summer class, office hours are by appointment only and will be conducted via email or virtually. All email correspondence should come from your SPC email address. Please give me up to 24 hours to respond via email. 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 virtual meeting because you don't feel your question can be answered adequately via email, please email me so that we can agree upon a time.

**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 **over Blackboard and via your SPC email.**

**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.

**Homework and Test Submissions:** All homework assignments and tests will need to be submitted as a PDF file over Blackboard by the due date and time. Only one PDF file per assignment should be submitted. I will not take any files that are not PDFs and I will not take any submissions over email. If you have a scanner, you can create your PDF with it. If you do not have scanner (that's fine...I don't have one either), you will need to create your PDF by taking photos on your phone. I will post documents in Blackboard that describe how to create a PDF from your phone using two different apps, OneDrive and CamScanner. Always double check your PDF before submitting to make sure you have included the entire assignment and that the work is legible. Also, you should receive a submission confirmation after the document is submitted. If you mess up your first homework submission, you can always resubmit the assignment right up until the due date and time. However, after the due date has passed, I will not accept any resubmission. I encourage you to submit things early just in case you have trouble. I will only grade the last submission that you made for an assignment.

**Course Supplies:**

- Required: Textbook. *Mathematical Ideas*, Miller, Heeren, Hornsby and Heeren, 2020, 14<sup>th</sup> Edition, Pearson Education. You can purchase either a hard copy or a digital version of the textbook. If you elect to get the digital version, you do **NOT** need to purchase the MyLab Math with it. The least expensive route is the rent a digital copy. You can do so directly from Pearson at <https://www.pearson.com/store/p/mathematical-ideas-loose-leaf-edition/P100001288090?viewAll=true> or through a company called Vital Source at <https://www.vitalsource.com/products/mathematical-ideas-charles-miller-vern-heeren-v9780134998466>. You could also purchase a copy via the SPC bookstore. The bookstore has a price-match policy. Just make sure that if you do purchase via the SPC bookstore, you do not purchase the MyLab Math.

- Required: Scientific Calculator. The calculator must have the functions log, ln, sin, cos and tan. Suggested TI-30XIIS. They are inexpensive and user friendly.
- Required: Internet access, notebook paper, graph paper (available to print on blackboard), pencils, and erasers.
- Recommended: Printed Notes. A blank copy of the notes will be posted on Blackboard. I recommend printing them (if you have access to a printer) and filling them out as you go through the notes videos. If you don't have access to a printer, you should take notes on notebook paper as you watch the video. You are expected to take notes from the videos. You will be allowed to use these notes on your tests. I recommended keeping all of your notes in order in a notebook to stay organized and make them easily accessible.

**Attendance:** Course attendance will be taken via your completed homework. If you fail to complete and turn in a homework assignment by the specified date and time, that will be considered an absence. Per South Plains College math department policy, you will be administratively dropped from the course if your number of absences exceeds five.

### **Homework:**

- Homework will be assigned for each notes section. If the homework assignment is out of the book, I will assign odd questions so that you can check your answers in the back of the book (just make sure you show your work that leads to that answer). If the homework assignment is a worksheet (all of our chapter reviews are worksheets), I will post a key for that assignment on Blackboard. If the assignment is a worksheet, you can either print it and fill in the worksheet or you can just do the assignment on notebook paper.
- Each section will have required homework questions (that must be turned in for a grade) as well as recommended homework questions (which will give you extra practice in order to prepare for the test). You will only turn in the required questions.
- Notice on the schedule that multiple sections (7.1, 7.2 etc) of homework are due at the same time. You will turn all sections that are due at a particular time as one PDF file. I will not take any homework that is not one PDF file.
- Required homework is due at date and time specified. Late homework will not be accepted. Each homework assignment will be graded in two ways:
  1. Completion (50% of HW grade)
  2. I will spot check 5-10 questions on each homework submission (50% of HW grade)
- On all assignments, you are expected to write your full name at the top, give the assignment a title (assignment number, page numbers etc) and clearly number the questions.
- To receive full credit on homework problems that are graded, you must show work that is legible and it must make sense.
- At the end of the class, the lowest 4 homework grades will be dropped.

**Exams:**

- 4 Unit Exams
- Tests must be completed in the time window given (see the schedule below for test days and times). Please make plans to be online during those times. The test will only be posted on Blackboard during that time interval.
- You are allowed to use your notes during the exam so I highly recommend taking good notes as you watch the notes videos.
- You must show all work to received credit for each individual problem.
- When you are done with an exam, you will submit it as a PDF file over Blackboard by the specified time.
- You do not have to print off the exam unless you just want to do so. A PDF of the notebook paper that you used to do the questions is sufficient.
- If you are going to miss an exam contact your instructor immediately (preferably prior to the exam). Make up exams are very rare and only provided under extreme, documented circumstances.
- Because of the limited time for this course, your final exam grade will be the average of your top three unit tests grades.
- I will also replace your lowest unit test grade with your final exam grade.

**Reviewing Grades on Blackboard:** After I grade your homework and tests, you should be able to log into Blackboard to not only see your grade but to also see any notes that I made on your submitted PDF.

**Grading Formula:**

A summer math course can be difficult because of the compact schedule. Completing all assignments and tests and a strong work ethic are important but do not guarantee a passing grade. However, these two things 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 following:

- 4 Unit Tests at 15% each .....60%
- Homework Average.....15%
- Final Exam.....25% (Average of top three unit tests)

**Final Grade Determination:** A 90-100    B 80-89    C 70-79    D 60-69    F 59 or below

**Academic Dishonesty:**

Academic dishonesty will not be tolerated. Please see the list of things that constitute plagiarism and cheating in the general 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! Since this class is exclusively online, Blackboard is the hub of the class. The course syllabus, calendar, gradebook, “how to” files, notes handouts, notes videos, and homework will be available on Blackboard.
- I am available to help you! Feel free to email me at [lchenault@southplainscollege.edu](mailto:lchenault@southplainscollege.edu). When you email me, please give me up to 24 hours to respond. My response will be faster during the work week than it will be on weekends.
- Peer tutoring is available via SPC. These tutoring sessions will be virtual and you will need to schedule your appointment in advance. The tutors’ hours vary but you should be able to find a tutor available anytime from 8:00 a.m. to 8:00 p.m. during the week. There may also be some tutors available on weekends. Please email [tutoring@southplainscollege.edu](mailto:tutoring@southplainscollege.edu) to check hours of availability and set up your appointment.
- Peer tutoring is also available online via Tutor.com. There is a link to Tutor.com on Blackboard and you should use that link to access the service. The hours for the Tutor.com service are 8:00 p.m. – 8:00 a.m. Monday through Friday and from 6:00 p.m. Friday to 8:00 a.m. on Monday.
- Free tutorial videos are available at the following sites: <http://patrickjmt.com/>, <http://www.mathstv.com/>, and <http://www.khanacademy.org/>.

## Succeeding in a Math Class:

- Be mentally present! Pay attention and take notes as you watch the lesson videos. Ask questions via email when you have them. 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.
- 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.
- Don’t wait until the last minute to submit homework assignments and tests. If an assignment is due by 10:00 p.m., as soon as the clock strikes 10:00 p.m., you will no longer be able to submit on Blackboard. I will not take late assignments.
- The amount of time spent in class for a normal summer class is two hours a day for four days a week. For every hour spent watching notes videos etc, you should expect to spend an extra 2-3 hours working on this course. This includes time spent on homework and studying for and exams. The compact nature of a summer class makes it a huge time commitment on your part so make sure that you are able to make that commitment.
- Get help as soon as you feel yourself falling behind! Don’t wait!
- All note videos 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. The unit review will help with that but anything that we have covered in that unit is fair game for the test.
- Everyone learns and studies differently. I encourage you to seek out and find what works best for you.



**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 (4 consecutive or 5 total) 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 Monday, August 3, 2020.** If you need to drop a class or completely withdraw, please email [registrar@southplainscollege.edu](mailto:registrar@southplainscollege.edu) from your **SPC email address** with the following information:

1. Full Name
2. Birthdate
3. Student ID
4. Are you just dropping a single course or are you withdrawing from school?
5. Course(s)
6. Reason for dropping the course

### **MATH 1332.151 Summer II Schedule:**

<b>Week</b>	<b>Dates</b>	<b>Day</b>	<b>Lesson/Assignment Due Date and Time</b>
1	July 8 <sup>th</sup> - July 12 <sup>th</sup>	Wednesday- Sunday	<p><b><u>HW Assignment #1:</u></b> You should submit to me a PDF of the last page of the syllabus with your signature and information. If you don't have a printer, then write out everything on a piece of notebook paper (including the "I certify that I have read and understood..." statement) and submit a PDF of that notebook paper. Please submit that PDF over Blackboard by Thursday, July 9<sup>th</sup> at 10:00 p.m. If you submit correctly and on time, then I will give you a 100 for your first homework grade.</p> <p><b><u>HW Assignment #2</u></b> - Watch notes videos and take notes for sections 7.1 and 7.2. Then complete the required homework questions for those sections. A PDF of your work and answers for the required homework questions must be submitted by 10:00 p.m. on Sunday, July 12<sup>th</sup>.</p>

2	July 13 <sup>th</sup> - July 19 <sup>th</sup>	Monday- Sunday	<p><b><u>HW Assignment #3</u></b> - Watch notes videos and take notes for sections 7.6, 7.7, 8.1 and 8.2. Then complete the required homework questions for those sections. A PDF of your work and answers for the required homework questions must be submitted by 10:00 p.m. on Thursday, July 16<sup>th</sup>.</p> <p><b><u>HW Assignment #4</u></b> - Watch notes videos and take notes for sections 8.3, 8.4, 8.7 and 8.8. Then complete the required homework questions for those sections. A PDF of your work and answers for the required homework questions must be submitted by 10:00 p.m. on Sunday, July 19<sup>th</sup>.</p>
3	July 20 <sup>th</sup> - July 26 <sup>th</sup>	Monday- Sunday	<p><b><u>HW Assignment #5: Unit 1 Review</u></b> - A pdf of your completed review should be submitted via Blackboard by 4:00 p.m. on Tuesday, July 21<sup>st</sup>. You do not have the print off the review unless you just want to do so. A PDF of the notebook paper is sufficient.</p> <p><b><u>Exam #1 (Algebra Topics) will be on Tuesday, 7/21 from 4:00 p.m. – 6:00 p.m. Work must be submitted by pdf via Blackboard by 6:15 p.m.</u></b></p> <p><b><u>HW Assignment #6:</u></b> Watch notes videos and take notes for sections 6.5, Conversions, and 7.3. Then complete the required homework questions for those sections. A PDF of your work and answers for the required homework questions must be submitted by 10:00 p.m. on Thursday, July 23<sup>rd</sup>.</p> <p><b><u>HW Assignment #7:</u></b> Watch notes videos and take notes for sections 7.5, and 13.1. Then complete the required homework questions for those sections. A PDF of your work and answers for the required homework questions must be submitted by 10:00 p.m. on Sunday, July 26<sup>th</sup>.</p>

4	July 27 <sup>th</sup> - Aug 2 <sup>nd</sup>	Monday- Sunday	<p><b><u>HW Assignment #8: Unit 2 Review</u></b> - A pdf of your completed review should be submitted via Blackboard by 4:00 p.m. on Tuesday, July 28th. You do not have the print off the review unless you just want to do so. A PDF of the notebook paper is sufficient.</p> <p><b><u>Exam #2 (Consumer Math Topics) will be on Tuesday, 7/28 from 4:00 p.m. – 6:00 p.m. Work must be submitted by pdf via Blackboard by 6:15 p.m.</u></b></p> <p><b><u>HW Assignment #9:</u></b> Watch notes videos and take notes for sections 9.2, 9.3 and 9.4. Then complete the required homework questions for those sections. A PDF of your work and answers for the required homework questions must be submitted by 10:00 p.m. on Thursday, July 30<sup>th</sup></p> <p><b><u>HW Assignment #10:</u></b> Watch notes videos and take notes for sections 9.5 and Trigonometry (trig is two different notes videos). Then complete the required homework questions for those sections. A PDF of your work and answers for the required homework questions must be submitted by 10:00 p.m. on Sunday, August 2nd.</p>
5	Aug 3 <sup>rd</sup> – Aug 9 <sup>th</sup>	Monday- Sunday	<p><b><u>HW Assignment #11: Unit 3 Review</u></b> - A pdf of your completed review should be submitted via Blackboard by 4:00 p.m. on Tuesday, August 4th. You do not have the print off the review unless you just want to do so. A PDF of the notebook paper is sufficient.</p> <p><b><u>Exam #3 (Geometry Topics) will be on Tuesday, 8/4 from 4:00 p.m. – 6:00 p.m. Work must be submitted by pdf via Blackboard by 6:15 p.m.</u></b></p> <p><b><u>HW Assignment #12:</u></b> Watch notes videos and take notes for sections Ch.2, 10.1, 10.2 and 11.1. Then complete the required homework questions for those sections. A PDF of your work and answers for the required homework questions must be submitted by 10:00 p.m. on Thursday, August 6<sup>th</sup>.</p> <p><b><u>HW Assignment #13:</u></b> Watch notes videos and take notes for sections 11.2, 11.3, 12.1 and 12.2. Then complete the required homework questions for those sections. A PDF of your work and answers for the required homework questions must be submitted by 10:00 p.m. on Sunday, August 9<sup>th</sup>.</p>

6	Aug 10 <sup>th</sup> - Aug 12 <sup>th</sup>	Monday- Wednesday	<p><b><u>HW Assignment #14: Unit 4 Review</u></b> - A pdf of your completed review should be submitted via Blackboard by 4:00 p.m. on Tuesday, August 11th. You do not have the print off the review unless you just want to do so. A PDF of the notebook paper is sufficient.</p> <p><b><u>Exam #4 (Counting, Prob and Stats Topics) will be on Tuesday, 8/11 from 4:00 p.m. – 6:00 p.m. Work must be submitted by pdf via Blackboard by 6:15 p.m.</u></b></p> <p><b><u>Final Exam Time: We will not take a cumulative final exam. Your final exam grade will be the average of your top three unit test grades.</u></b></p>
---	---	----------------------	---

**Note:** This schedule is tentative and may be altered as deemed necessary by the instructor. If there are any changes, they will be announced **via email and on Blackboard.**

## **Assignment #1 Syllabus Receipt**

Directions: The following information should be filled out and submitted to me over Blackboard. This is Assignment #1 for the course. If you do not have a printer, then write out everything (including the “I certify that I have read and understood...” statement found below) and submit as a PDF over Blackboard.

### **Personal Info**

Printed Name: \_\_\_\_\_

Age: \_\_\_\_\_

High School Attended: \_\_\_\_\_

Current City: \_\_\_\_\_

Major: \_\_\_\_\_

Below, please write anything else you feel I should know about you that pertains to this class.

### **Syllabus Receipt**

I certify that I have read and understood the class syllabus for MATH 1332-151, which is being taught in the second summer session of the year 2020.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date