

South Plains College
Common Course Syllabus: MATH 0320
Revised December 2019

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 0320

Course Title: Intermediate Algebra

Available Formats: conventional

Campuses: Reese, Plainview, and Lubbock Center

Course Description: This course is designed for the student who needs MATH 1314 or 1324. It includes factoring, fractions, linear equations in one unknown, graphs, systems of linear equations, exponents, radicals, and quadratic equations. Time in a math lab is required. This course will not satisfy graduation requirements.

Prerequisite: Minimum score of 340 on TSIA without an ABE score or a successful completion with a grade of 'C' or better in MATH 0315.

Credit: 3 **Lecture:** 3 **Lab:** 1

Textbook: *Elementary and Intermediate Algebra*, Sullivan/Struve/Mazzarella, 2018, 4th 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: No

Student Learning Outcomes: Upon completion of this course and receiving a passing grade, the student will be able to:

1. Define, represent, and perform operations on real and complex numbers.
2. Recognize, understand, and analyze features of a function.
3. Recognize and use algebraic (field) properties, concepts, procedures (including factoring), and algorithms to combine, transform, and evaluate absolute value, polynomial, radical, and rational expressions.
4. Identify and solve absolute value, polynomial, radical, and rational equations.
5. Identify and solve absolute value and linear inequalities.
6. Model, interpret and justify mathematical ideas and concepts using multiple representations.
7. Connect and use multiple strands of mathematics in situations and problems, as well as in the study of other disciplines.

Student Learning Outcomes Assessment: None

Course Evaluation: There will be a comprehensive departmental final exam 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. A Tardy will be applied if you are more than 5 minutes late to class. Class begins at 5:20 pm, so you need to be here by 5:26 pm to be considered "on time."

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 semester.

South Plains College Department of Mathematics and Engineering
Math 0320: Intermediate Algebra
Section 206: T/Th 5:20 – 6:55
Reese Campus, Building 2, room 221

Spring 2020 Course Syllabus

Instructor: Mrs. Raylene Nuffer, M.A.

Email: rnuffer@southplainscollege.edu

Phone: 806-716-2239, Please leave me a message if I am not available to answer your call.

Office Location: Library Building, Levelland Campus, Third Floor – room 307

Office Hours:

Monday	Tuesday	Wednesday	Thursday	Friday
8:30 – 9:30am	8:30 – 9:30am, 11:00 – 1:00pm	8:30 – 9:30am	8:30 – 9:30am, 11:00 – 1:00pm	9:00 - 12:00pm <u>*by appt. only</u>

Office hours are subject to change; however, you will be notified if changes occur.

Textbook: Optional. *Elementary and Intermediate Algebra*, Sullivan/Struve/Mazzarella, 3rd Edition, Prentice Hall/Pearson Education. ISBN 978-0-321-88011-6.

Supplies: You will need a 3-ring binder, notebook paper, graph paper, a 3-hole punch, and pencils. You will be allowed to use a scientific calculator. Graphing calculators and phone/tablet calculators will not be allowed. No sharing of calculators is allowed. You must bring your calculator to every class.

Course Requirements: To maximize the potential to complete this course, a student should attend all class meetings, take notes and participate in class, complete all homework assignments and examinations including final examinations.

Attendance Policy: Attendance and effort are crucial for success in this course. Class attendance may be taken at any time during the class period, so please do not arrive late or leave early. You may be dropped from this course with a grade of X or F if you are absent four consecutive days or if you accrue five absences for any reason throughout the semester. Absences are not classified as 'excused' or 'unexcused'. The last day for student initiated drops is Thursday, April 23rd.

Methods of Learning Assessment: Students will be continually assessed throughout the course via in-class group work, questioning, and board work. Other methods of assessment include:

- **Attendance:** Attendance and effort are crucial for success in this course. It is your responsibility to make sure that I have marked you present for each class. Class attendance may be taken at any time during the class period, so please do not arrive late or leave early. Leaving early and being tardy will be considered $\frac{1}{2}$ absence. You may be dropped from this course with a grade of X or F if you are absent four consecutive days or if you accrue five absences for any reason throughout the semester. Absences are not classified as 'excused' or 'unexcused'. If you should incur an absence, please refer to your syllabus, contact the instructor, or contact another student to get the assignment completed BEFORE the next class. Late homework and makeup quizzes are not an option. The last day for student-initiated drops is Thursday, April 23rd.
- **Homework:** Homework will be assigned at each class meeting. The homework is not a tool by which I torture you, but rather an opportunity for you to practice the skills presented in class which you will be responsible to demonstrate on a quiz the following class period. If you are interested in passing the class, you will need to do well on the quizzes. To do well on the quizzes, you will need to complete the homework. No late assignments will be accepted. You should show all work when doing homework. Simply writing the problem and the answer is not "doing homework." Using a solutions manual or an app that shows you the steps, and copying them down is NOT "doing homework." Remember your effort is key to your success. You have to focus your effort on being able to complete the problems on a quiz/exam without any outside resources. You are responsible for the following homework requirements. Any homework that does not follow the homework requirements will be recorded as a grade of a zero.
 - 1) Homework must be written in pencil on white 8.5 x 11 inch paper. It must be neat and legible. I will be the judge as to what is neat. Just because you can read it doesn't mean that I can interpret it.
 - 2) If you have more than one page to turn in, the pages must be stapled together. Multiple pages that are not stapled or held together by a paperclip, folded corner, spit, gum, etc. will not be accepted and be recorded with a grade of zero. You must staple multiple pages together.

- 3) Homework must be presented in an orderly manner with the problem running in a single column down the page.
- 4) ALL WORK must be shown in order to receive credit for each problem.
- 5) All final answers must be circled to receive credit. Any algebraic answer not circled or “boxed” in will not be graded. Pictures/graphs do not need to be circled or boxed.
- 6) All assignments must be done in pencil.

No work will be graded that has been done on the given assignment sheet. The given assignment sheet is a cover sheet for your assignment. Graded work must be done on your own paper with all work and steps shown.

- **Notebook:** You will be required to keep all class materials (notes, handouts, homework, quizzes, exams, etc.) organized in a notebook (3-ring binder). These materials are subject to be turned in for grading at any time. Please make certain all materials accompany you to each class meeting. The notebook will have 4 dividers labeled the following: Notes, Homework, Quizzes & Labs, and Reviews & Exams. You will keep the corresponding material under the matching divider.
- **Quizzes:** Short, in-class quizzes that will be given regularly will have problems selected from, or closely related to, your homework. Most, if not all, quizzes will be pop-quizzes so you will need to be prepared every class period. Students arriving late may be denied the chance to take a quiz, if there is one that day. Quizzes must be taken in pencil,
- **Exams:** There will be 4 unit exams given and a comprehensive final. You cannot make-up or retake any of the 4 unit exams. If you are absent, you will receive a zero for that exam. Once you begin an exam, you will not be able to leave the classroom until the exam is submitted for grading. The tentative exam dates are as follows:

Exam 1: Tuesday, February 11 th	Exam 3: Thursday, March 26 th
Exam 2: Thursday, February 27 th	Exam 4: Thursday, April 16 th
- **Final:** The comprehensive final exam will be given on Tuesday, May the 5th from 5:30 – 7:30pm. No make-up final will be given.
- **Make-up:** Make-up work is given at the discretion of the instructor. NO make-up quizzes or tests are given without prior notification AND proper documentation. If are absent from class, have given prior notification and proper documentation of your absence, you MUST make arrangements to take the quiz or test BEFORE the next class period. Students who do not take quizzes or exams in-class, early or late, forfeit the right to attempt any extra credit on that quiz or exam.

Grading Policy:

Daily Work (HW, quizzes, notebook)	20%
Exams (4 total)	60% (15% each)
Comprehensive Final	20%

Grading Scale:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
Below 60%	F

A grade of C (70) or better is required to advance to the next course. This course and its grade will be recorded on your official transcript. Grades will be posted on Blackboard during the semester.

Student Responsibilities and Expectations:

1. Come to class on time and prepared to learn. (Pencils, homework, notebook, calculator)
2. Read the syllabus.
3. Take notes, participate in class, and complete course assignments early enough to seek help if needed.
4. Food and drink are not allowed in class, with the exception of bottled water.
5. Cell phones and any other electronic devices must be silenced and put away before entering the classroom. Use of these devices during class will result in a zero for that day's quiz, homework, or exam.
6. Be courteous and respectful to your instructor and classmates at all times.
7. Use only pencil for all assignments.

Resources:

- I am your first and BEST resource for this class! Feel free to come by during my office hours or email me.
- Blackboard is the online course management system that will be used for this course. The course syllabus as well as any other class handouts 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 Campus Connect Pin No. (found on SPC acceptance letter)
- Free tutoring is available in M116 on the Levelland campus. Hours for the tutors will be posted by the door of M116.
- Form study groups: Networking is an essential tool both in the classroom and in the workforce!
- Websites that contain helpful videos:
 patrickjmt.com
 khanacademy.com

Academic Integrity: Academic dishonesty will not be tolerated. You are expected to uphold the ideas of academic honesty. All work that is graded must be your own. This policy applies to all work attempted in this course. If this policy is violated the student will receive an F for the assignment and will be dropped with an F. For more details on what is considered cheating, see the South Plains College catalog. If you are caught cheating on any assignment, you will not be allowed to take another class with me in the future.

Week	Date	Topic	Textbook
1	Jan 14	Syllabus <i>Assignment 1.1: Linear Equations and Absolute Value</i>	2.2 and 2.3
	Jan 16	<i>Assignment 1.2: Inequalities: Compound and Absolute Value</i>	8.6 and 8.7
2	Jan 20	No Classes – MLK	
	Jan 21	<i>Assignment 1.3: GCF, Factoring by Grouping and Factoring Special Products</i>	6.1 and 6.4
	Jan 23	<i>Assignment 1.4: Factoring Trinomials</i>	6.2 and 6.3
3	Jan 28	<i>Assignment 1.5: Factoring Techniques Summary</i>	6.5
	Jan 30	Catch-up Day	
4	Feb 4	<i>Assignment 1.6: Solving Polynomial Equations by Factoring</i>	6.6
	Feb 6	Review 1	
5	Feb 11	Unit 1 Exam (15%)	
	Feb 13	<i>Assignment 2.1: Simplifying, multiplying, & dividing Rational Expressions</i>	7.1 and 7.2
6	Feb 18	<i>Assignment 2.2: Adding and Subtracting Rational Expressions w/common Denominator & Finding Least Common Denominator</i>	7.3 and 7.4
	Feb 20	<i>Assignment 2.3: Adding, subtracting, and solving Rational Expressions</i>	7.5 and 7.7
7	Feb 25	Review 2	
	Feb 27	Unit 2 Exam (15%)	
8	March 3	<i>Assignment 3.1: Relations, Functions, and Function Graphs</i>	8.2, 8.3, and 8.4
	March 5	<i>Assignment 3.2: Slope and Slope-Intercept Form of a Line</i>	3.3 and 3.4
9	March 10	<i>Assignment 3.3: Point Slope Form of a Line & Functions and their graphs</i>	3.5 and 8.4
	March 12	Catch-up Day	
	March 16-20	No School – Spring Break	
10	March 24	Review 3	
	March 26	Unit 3 Exam (15%)	
11	March 31	<i>Assignment 4.1: Square Roots, nth Roots, and Rational Exponents</i>	9.1 and 9.2
	April 2	<i>Assignment 4.2: Simplifying, Adding, Subtracting, & Multiplying Radical Expressions</i>	9.4 and 9.5
12	April 7	<i>Assignment 4.3: Rationalizing Radical Expressions & Complex Number Systems</i>	9.6 and 9.9
	April 9	<i>Assignment 4.4: Solving Radical Equations</i>	9.8
	April 13	No School – Easter Holiday	
13	April 14	Review 4	
	April 16	Unit 4 Exam (15%)	

14	April 21	<i>Assignment 5.1: Solving Quadratic Equations by Square Root Property & Completing the Square</i>	10.1
	April 23	<i>Assignment 5.2: Solving Quadratic Equations by the Quadratic Formula & Application Problems</i>	10.2
15	April 28	Final Exam Review	
	April 30	Final Exam Review	
16	May 5	Final Exam (20%) 5:30 – 7:30 pm	