

South Plains College
Common Course Syllabus: MATH 0320
Revised August 2020

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 0320

Course Title: Intermediate Algebra

Available Formats: conventional/flex

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/Student Engagement Policy: Attendance and effort are the most important activities for success in this course. The instructor maintains records of the student's engagement throughout the semester. The student will be allowed to miss twenty percent (20%) of class assignments for the semester, **for any reason**. Should this number be exceeded, the instructor has the right to drop the student with a grade of F or an X, depending on the instructor's 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.

COVID Syllabus Statement: Should be provided by the Vice-President of Student Services over email.

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.

Additional Information

Instructor: Danae Race

Email: drace@southplainscollege.edu

Course: MATH 0320.204 - Intermediate Algebra

T/TH 5:20 PM – 6:55 PM, Reese Campus Building 2, Room 225

Office Hours: Tuesday/Thursday 4:20 PM – 5:20 PM (in Building 2, Room 225), or through Zoom by appointment.

Class time information: This course is a “flex” course, which means there will be a combination of face-to-face instruction and synchronous online instruction. Each student in the course will have the opportunity to attend class in person ONE class day a week, and the other day attend via Zoom. Recorded class meetings will be uploaded to Blackboard after every class.

Homework Assignments and grading: Homework will be assigned and completed on MyMathLab this semester. Homework sections will be assigned with the corresponding lecture and will be due one week after the assigned day. Each class will begin with a homework question time to go over homework problems assigned from the previous class. You may buy the MyMathLab package for this course through the bookstore, or buy it on the Pearson website.

(<https://www.pearsonmylabandmastering.com/northamerica/mymathlab/students/get-registered/index.html>)

- Our course ID: **race35945**

The textbook for this course is included in online format in the MyMathLab package, but you are welcome to buy the physical copy if you prefer. Homework and other daily work will count for 20% of your final grade. Each exam prior to the final will count 15%. The final comprehensive exam will count for 20%.

Homework	20%
Exam 1	15%
Exam 2	15%
Exam 3	15%
Exam 4	15%
Final Exam	20%

Exams: Exams will be given online via MyMathLab and will be taken during class time at home. Each student will “attend” class via Zoom on exam day while he/she works on the exam. A lockdown browser will be used by each student to prevent looking up answers on the internet, and cell phones and written work should be clearly in view of the camera. Cell phones should not be used except to scan work at the end of the test. Work should be done on blank printer paper or notebook paper, and will be submitted to Blackboard in the appropriate Exam folder by scanning the work using a scanning app such as **Adobe Scan**. The instructor will hand grade the written work in order to award partial credit and double check that the answers submitted online were counted as correct. (So, the exam grade you receive from MyMathLab may look different from your actual exam grade). There will be 4 exams and a common final exam for Intermediate Algebra at the end of the semester.

Extra Credit: Extra credit can be obtained through bonus questions on the exams (not the final). Each exam will have a few bonus questions at the end that will not hurt your score if answered incorrectly.

Textbook: *Elementary and Intermediate Algebra*, Sullivan/Struve/Mazzarella, 2018, 4th Edition, Prentice Hall/Pearson Education

Supplies: Your preferred note-taking method (spiral, pens, tablet, etc.) and a device that allows you to attend class via Zoom and complete the online homework. Graphing calculators are not required for this course.

Tentative Schedule for Intermediate Algebra
 Math 0320.204 (T/TH 5:20p – 6:55p)
 Fall 2020

Wk	Day	Date	Lesson	MyMathLab Assignment	Due
Graphing and Writing Equation of a Line; Factoring Polynomials					
1	Tue	Aug 25	3.4: Slope-Intercept Form of a Line	3.4	9/8/20
	Thur	Aug 27	3.5: Point-Slope Form of a Line 3.6: Parallel and Perpendicular Lines	3.5, 3.6	9/8/20
2	Tue	Sept 1	3.7: Linear Inequalities in Two Variables 4.6: Systems of Linear Inequalities	3.7, 4.6	9/8/20
	Thur	Sept 3	6.5: Summary of Factoring Techniques	6.5	9/10/20
3	Tue	Sept 8	6.6: Solving Polynomial Equations by Factoring 6.7: Solving Problems with Quadratic Equations	6.6, 6.7	9/15/20
	Thur	Sept 10	Review for Exam 1		
4	Tue	Sept 15	Exam 1		
Rational Expressions and Equations					
	Thur	Sept 17	7.1: Simplifying Rational Expressions 7.2: Multiply and Divide Rational Expressions	7.1, 7.2	9/24/20
5	Tue	Sept 22	7.4: Finding the Least Common Denominator 7.5: Add and Subtract Rational Expressions	7.4, 7.5	9/29/20
	Thur	Sept 24	7.7: Rational Equations	7.7	10/1/20
6	Tue	Sept 29	7.8: Word Problems with Rational Equations	7.8	10/6/20
	Thur	Oct 1	Review for Exam 2		
7	Tue	Oct 6	Exam 2		
Functions					
	Thur	Oct 8	8.2: Relations 8.3: An Introduction to Functions	8.2, 8.3	10/15/20
8	Tue	Oct 13	8.4: Functions and Their Graphs	8.4	10/20/20
	Thur	Oct 15	8.5: Linear Functions and Models	8.5	10/22/20
9	Tue	Oct 20	8.7: Absolute Value Equations and Inequalities	8.7	10/27/20
	Thur	Oct 22	Review for Exam 3		
10	Tue	Oct 27	Exam 3		
Radical Expressions					
	Thur	Oct 29	9.1: Square Roots 9.2: n th Roots and Rational Exponents	9.1, 9.2	11/5/20
11	Tue	Nov 3	9.4: Simplifying Radical Expressions 9.5: Adding, Subtracting, Multiplying Radical Expressions	9.4, 9.5	11/10/20
	Thur	Nov 5	9.6: Rationalizing Radical Expressions 9.8: Radical Equations and Their Applications	9.6, 9.8	11/12/20
12	Tue	Nov 10	9.9: The Complex Number System	9.9	11/17/20
	Thur	Nov 12	Review for Exam 4		
13	Tue	Nov 17	Exam 4		
Quadratic Equations and Applications					
	Thur	Nov 19	NO CLASS MEETING – Online Assignment Video Lecture 10.1: Solve Quadratic equations by completing the square	10.1	12/1/20

			<i>Last day to drop a class at SPC.</i>		
14	Tue	Nov 24	NO CLASS MEETING – Online Assignment Video Lecture 10.2: Solving Quadratic Equations by the Quadratic Formula	10.2	12/3/20
	Thur	Nov 26	NO CLASS – Thanksgiving Holiday		
15	Tue	Dec 1	Review for Final Exam		
	Thur	Dec 3	Review for Final Exam		
16	Tue	Dec 8	Final Exam (5:30 PM – 7:30 PM)		