

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 (if required): *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 DOES NOT partially or fully satisfy any Core Curriculum Requirement

Student Learning Outcomes: Upon completion of this course and receiving a passing grade (C or better), 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. A tardy counts as one-half (1/2) of an absence. A tardy will be assigned for being late to class, as deemed by the instructor, or for leaving class early. If this number (5) 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.

Policies and Procedures All Sections

Instructor: Tom Baker Office: 223A Phone: 716-4026 Text: **None Required**
Email: tbaker@southplainscollege.edu Office Hours: MTWTH 7:45-8:30, 10:30-11; F 8-11
Course Credit: A, B or C must be earned. See "Grades" section below for Point Totals for each grade.

Quality of Work Expectations (QWE)

- **ALL work turned in MUST be in PENCIL with your FIRST & LAST NAME on the paper**
- Work must be legible and must justify the answer
- Work for each problem must go **DOWN** the page not **ACROSS** the page
- Answers **MUST BE** **CIRCLED** or **BOXED**
- **Work should follow the format used in the power point lessons.**

GRADES

- 5 TESTS @ 100 points each
 - Calculators (TI30X IIS **ONLY**) may be used on all tests.
 - Calculators **MAY NOT** be shared.
 - **There is no partial credit for incorrect answers**
 - There **MAY BE** a point **REDUCTION** for failure to follow **QWE** above
- Students missing one of the first 4 TESTS, **REGARDLESS OF THE REASON**, will carry a ZERO (0) for that test until the FINAL EXAM. A portion of the FINAL EXAM problems will be used to assign points for a missed test. Only one (1) TEST can be replaced in this manner
- **THERE ARE NO LATE TESTS GIVEN**
- **THERE ARE NO MAKE-UP TESTS GIVEN**
- **THERE ARE NO "RETAKE" OF TEST**

ATTENDANCE

- A student is marked **ABSENT** if he/she
 - Does not attend class
 - Arrives without printed materials for that day's lesson
 - Arrives more than 10 minutes late
 - Leaves class before dismissal
- A student is marked **TARDY** if he/she
 - Arrives after roll check
 - Does not have class materials out on the table
- Any student with a grade average ≥ 84 is EXEMPT from ATTENDANCE requirements.

CALCULATORS

The **ONLY** calculator allowed on tests in this class is a **TI 30X IIS**.

DROPPED FOR ABSENCES/INAPPROPRIATE ATTITUDE

- Students missing or failing to earn any points on 2 UNIT TESTS will be dropped
- A student who accumulates 5 ABSENCES **AND** has a grade below 64, will be dropped from class.
- Students who project an overt negative attitude toward the course, the class, classmates or instructor will be dropped from the class for disciplinary reasons and reported to the Dean of the Reese Center and the Dean of Students
- Once dropped, there is **NO REINSTATEMENT**

ELECTRONIC DEVICES

All devices that can access the internet are to be **TURNED OFF** and **PUT AWAY** during class.

ANY student who has ANY device out during class for ANY reason will be subject to a FIVE (5) point penalty for EACH violation on the next Unit Test! Repeated violations will result in being dropped from the class!

EMAIL

Email will be answered during office hours.

GRADES

Your grade in the course is the average of the FIVE (5) tests given in the semester.

OUTLINE

DATE	SECTIONS	DATE	SECTIONS
1/14	Intro/Assessment	3/5	3-1 Simplifying Radicals
1/16	1-1 Factoring GCF/Special	3/10	3-2 Add/Subtract Radicals
1/21	1-2 Factoring Trinomials	3/12	3-3 Multiply Radicals
1/23	1-3 Simplify, $X \div$ Rational #	3/24	3-4 Divide Radicals
1/28	1-4 Add/Subtract Rational #	3/26	3-5 Radical Equations
1/30	1-5 Solve Rational Equations	3/31	Unit 3 Review
2/4	Unit 1 Review	4/2	UNIT 3 TEST
2/6	UNIT 1 TEST	4/7	4-1 Solving by Factoring
2/11	2-1 Evaluating Functions	4/9	4-2 Completing the Square
2/13	2-2 Graphing Functions	4/14	4-3 Quadratic Formula
2/18	2-3 Absolute Value Equations	4/16	4-4 Rational Equations
2/20	2-4 Compound Inequalities	4/21	4-5 Radical Equations
2/25	2-5 Absolute Value Inequalities	4/23	Unit 4 Review
2/27	Unit 2 Review	4/28	UNIT 4 TEST
3/3	UNIT 2 TEST	4/30	FINAL REVIEW
		5/5	FINAL EXAM 8-10 FINAL EXAM 10:15-12:15

TEXTBOOK

The "TEXTBOOK" for this class is provided on Blackboard and ALL LESSONS/PRACTICE PROBLEMS should be printed before class (see **ELECTRONIC DEVICES** above). There is a computer lab downstairs in Building 2. Students have available a pre-paid printing fund that renews each week.