

South Plains College  
Math 0320 – Intermediate Algebra (3:3:1)  
Course Syllabus  
Spring 2019

**Instructor:** Diane Eagle  
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**Office Hours:**

Monday	Tuesday	Wednesday	Thursday	Friday
1:45 – 3:00	1:45 – 3:00	1:45 – 3:00	1:45 – 3:00	9:00 – 12:00

**Prerequisites:** Successful completion of MATH 0315 (a C or higher) or appropriate test score.

**Textbook:** Elementary and Intermediate Algebra, Sullivan/Struve/Mazzarella, 2018, Fourth Edition, Pearson Education, Inc. This textbook is available on reserve in the library.

**Supplies:** Pencils, paper, straightedge, and graph paper. **Only a basic non-graphing calculator (such as a TI-30) will be allowed in class.** Graphing calculators and calculators on cell phones or other electronic devices or apps will **NOT** be allowed during tests or in-class assignments. Arrive on time and come prepared to take notes every day.

**Course Description:** This course is designed for students who need MATH 1314 or 1324. Topics include factoring, fractions, linear equations in one unknown, graphing, systems of linear equations and inequalities, exponents, radicals, and quadratic equations. Time in a math lab is required. This course will not satisfy graduation requirements. This course is required if testing indicates a need.

**Student Learning Outcomes/Competencies:**

Upon successful completion of this course, students will:

1. Define, represent, and perform operations on real and complex numbers. (9.9)
2. Recognize, understand, and analyze features of a linear equation and functions. (8.1, 8.2, 8.3, 8.4, with additional topics from chapter 3.)
3. Recognize and use algebraic (field) properties, concepts, procedures (including factoring), and algorithms to combine, transform, and evaluate absolute value, polynomial, rational, and radical expressions. (6.1, 6.2, 6.3, 6.4, 6.5, 7.1, 7.2, 7.3, 7.4, 7.5, 9.1, 9.2, 9.4, 9.5, 9.6)
4. Identify and solve absolute value, polynomial, rational, and radical equations. (6.6, 7.7, 8.7, 9.8, 10.2, 10.2)
5. Identify and solve absolute value and linear inequalities. (8.6, 8.7)
6. Model, interpret, and justify mathematical ideas and concepts using multiple representations. (6.7, 7.8, 8.2, 8.5, 9.8)
7. Connect and use multiple strands of mathematics in situations and problems, as well as in the study of other disciplines. The word problems in Chapters 6, 7, 8, 9, and 10 also cover this outcome.

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

**Course Evaluation:** Your final grade will be determined by the average of four tests (400 points) the comprehensive departmental final exam (100 points) and quizzes (100 points.) The lowest grade of the four tests will be dropped, provided the student completed the course and took the final exam. The final exam is NOT eligible to be dropped. There are 500 points possible. **A minimum grade of 70 is needed to successfully pass this course.** The number of points earned will follow the grading scale below:

<b>Grading Scale:</b>	A	90 to 100	448 to 500 points
	B	80 to 89	398 to 447 points
	C	70 to 79	348 to 397 points
	D	60 to 69	298 to 347 points
	F	Below 60	0 to 297 points

**\*\*\*NOTE: I do NOT issue the grade of “PR” for this class under any circumstances.**

**Exams:** Dates for the 4 major tests and comprehensive departmental final exam are listed on the calendar. **There are NO makeup tests!** If you miss one of the 4 major tests, you may qualify to have that missing grade dropped at the end of the semester (see requirements above.) A student with an average of 90 or higher on the 4 major tests may be exempt from the final exam.

**Homework and Quizzes:** Homework is assigned from each section covered, and time will be available at the beginning of each class to ask questions. Consistently working problems reinforces the skills and concepts presented, and is essential for success in this course. Short quizzes will be given during lab time, worth 5–10 points each. To do well on the quizzes, you will need to complete the homework. Completed homework assignments may be used to work these quizzes, but not the textbook or your notes. Focus your effort on being able to complete the problems on a quiz/exam without any outside resources. **There is NO makeup for quizzes and a grade of zero will be assigned.** Quizzes account for 100 points, or 20% of your overall average.

**Bonus Points:** Occasionally, tests will include a bonus problem, or a bonus problem may be assigned to complete outside of class. Opportunities for extra points are sometimes posted on Blackboard as well. Bonus points add into the cumulative points earned.

**Additional Resources:** Blackboard is the online management system used for this course. Materials accompanying the textbook include a student workbook, additional exercises, and PowerPoint slides. These items, along with your grades, the course syllabus, handouts, and reviews can all be accessed through Blackboard. Free tutorial videos are available at the following sites: <http://patrickjmt.com/>, <http://www.mathtv.com/>, and <http://www.khanacademy.org/> and others. These links are posted on Blackboard. **Be sure to check Blackboard and your SPC email account regularly for class announcements and updates.**

**Tutoring:** Students can obtain free tutoring in room M116 in the math building on the South Plains Campus in Levelland or in Building 2 at the Reese Center. Tutoring schedules will be posted on campus. Please remember to sign in when you seek the help of a tutor in each of these places.

**Attendance Policy:** Attendance will be taken every class period. Students who arrive late, leave early, sleep during class, or **access their cell phones during class**, may be counted absent. Whenever absences become excessive and, in the instructor's opinion, minimum course objectives cannot be met due to absences, the student will be withdrawn from the course. **Any student who misses 3 consecutive classes or exceeds 5 absences throughout the semester will be administratively dropped and receive a grade of X or F.** Students wishing to drop this class must see the registrar by Thursday, April 25, 2019 to officially withdraw and receive a grade of W.

**Classroom Civility:** Students are expected to be respectful of their fellow classmates and maintain a classroom environment that is conducive to learning. Turn off all cell phones and other electronic devices **before** entering the classroom. **Use of cell phones during class will not be tolerated! You will receive ONE verbal warning, after which you will be asked to leave and receive a zero for that day's assignment.** Refrain from using offensive language, talking loudly or off-topic, working on outside assignments, chewing tobacco products, or otherwise being disruptive in class. Food and/or drinks are NOT allowed in the classroom.

**Academic Honesty:** Students are expected to uphold the ideas of academic honesty. Academic dishonesty includes, but is not limited to, cheating on tests, collaborating with another student during a test, copying another student's work, using materials not authorized, and plagiarism. **Use of a graphing calculator, cell phone, or other electronic devices or apps during any in-class assignment or exam will result in a grade of zero.** Leaving the classroom during an exam will not be permitted. Students who do not follow the academic honesty policy will receive a grade of zero for the assignment, and may be dropped from the course with an F, or face possible suspension from the college.

**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.

**Disabilities 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.

**Non-Discrimination Statement:** 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.

## MATH 0320.014 – SPRING 2019

Week	Tuesday		Thursday	
<b>1</b>	Jan. 15	Syllabus 6.1 p. 376 47–98	Jan. 17	6.2 p. 384 23–92
<b>2</b>	Jan. 22	6.3 p. 394 23–95	Jan. 24	6.4 p. 402 29–104 6.5 p. 407 17–89
<b>3</b>	Jan. 29	6.6 p. 415 25–100	Jan. 31	6.7 p. 422 7–40
<b>4</b>	Feb. 5	7.1 p. 439 21–75	Feb. 7	<b>TEST 1</b>
<b>5</b>	Feb. 12	7.2 p. 446 15–66	Feb. 14	7.3 p. 453 17–74 7.4 p. 461 13–64
<b>6</b>	Feb. 19	7.5 p. 470 23–77	Feb. 21	7.7 p. 490 15–45, 65–92
<b>7</b>	Feb. 26	7.8 p. 502 15–87	Feb. 28	<b>TEST 2</b>
<b>8</b>	Mar. 5	8.1 p. 529 17–62 8.2 p. 536 25–32 all, 35–56	Mar. 7	8.3 p. 546 29–80 8.4 p. 555 15–54
<b>Spring Break</b>				
<b>9</b>	Mar. 19	8.5 p. 568 19–40, 47, 48, 55–61 all	Mar. 21	8.6 p. 581 43–94 8.7 p. 592 43–94, 99–120
<b>10</b>	Mar. 26	9.1 p. 619 23–74 9.2 p. 626 37–133	Mar. 28	<b>TEST 3</b>
<b>11</b>	Apr. 2	9.3 p. 633 17–53	Apr. 4	9.4 p. 641 37–118
<b>12</b>	Apr. 9	9.5 p. 647 19–82	Apr. 11	9.6 p. 653 13–55 9.7 p. 659 9–57
<b>13</b>	Apr. 16	9.8 p. 667 13–70	Apr. 18	9.9 p. 678 25–115
<b>14</b>	Apr. 23	<b>TEST 4</b>	Apr. 25	10.1 p. 700 19–70
<b>15</b>	Apr. 30	10.2 p. 713 23–74	May 2	<b>REVIEW</b>
<b>16</b>	May 7	<b>FINAL EXAM</b> <b>7:30 pm – 9:30 pm</b>	May 9	

**All assignments are every third problem (ex. 47, 50, 53, 56 ...) unless otherwise noted.**

**\*\*\*Last day to drop is Thursday, April 25, 2019\*\*\***