

South Plains College  
Math 0320 – Intermediate Algebra (3:3:1)  
Course Syllabus  
Spring 2018

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

Monday	Tuesday	Wednesday	Thursday	Friday
3:45 – 4:45	1:00 to 2:30	3:45 – 4:45	1:00 to 2:30	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. A basic **non-graphing** calculator (such as a TI-30) is optional. Calculators on cell phones, graphing calculators, and other electronic devices will **NOT** be allowed during tests or in-class assignments. Arrive 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.

**Course Purpose/Rational/Goal:** The purpose of this course is to provide a background in algebra concepts necessary for MATH 1314 or 1324.

**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.

\*Developed by the Coordinating Board and the Faculty of South Plains College's Math and Engineering Department.

**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 daily quiz and homework grades (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.

**Daily Grades:** Homework is assigned from each section covered and will be checked during class. Consistently working problems reinforces the skills and concepts presented, and is essential for success in this course. All steps/work must be neatly shown and the answer clearly indicated. Do not submit "answer sheets." Completed homework earns 1 point; no homework earns -1 point. Weekly 10-point quizzes will be given during lab time. To do well on the quizzes, you will need to complete the homework. 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.** Daily grades comprise 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. Additional assignments may also be collected to supplement points earned. Bonus points add into the cumulative points earned.

**Additional Resources:** Materials accompanying the textbook include a student workbook, additional exercises, and PowerPoint slides. These items are available for download on Blackboard. SPC produced videos of many topics are also available and a link is provided on Blackboard for online viewing. Additional free tutorial videos are available at the following sites: <http://patrickjmt.com/>, <http://www.mathtv.com/>, and <http://www.khanacademy.org/> and others.

**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 fail to sign the attendance sheet 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 26, 2018 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. The instructor reserves the right to ask a student to leave if his/her cell phone is left on and disrupts the class. 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 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.

**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) and Lubbock Center 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, 806-894-9611.

**Campus Concealed Carry:** South Plains College permits the lawful carry of concealed handguns in accordance with Texas state law, and Texas Senate Bill 11. Individuals possessing a valid License to Carry permit, or the formerly issued Concealed Handgun License, may carry a concealed handgun at all campus locations except for the following: Natatorium. For a complete list of campus carry exclusion zones by event, please visit <http://www.southplainscollege.edu/campuscarry.php>

## MATH 0320.003/MATH0320.005 – SPRING 2018

Week	Monday		Wednesday	
<b>1</b>	Jan. 15	<b>Martin Luther King Day</b>	Jan. 17	Syllabus Prerequisites evaluation
<b>2</b>	Jan. 22	6.1 p. 376 47–98 6.2 p. 384 23–92	Jan. 24	6.3 p. 394 23–95 6.4 p. 402 29–104
<b>3</b>	Jan. 29	6.5 p. 407 17–89 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	8.1 p. 529 17–62 8.2 p. 536 25–32 all, 35–56
<b>8</b>	Mar. 5	8.3 p. 546 29–80 8.4 p. 555 15–54	Mar. 7	<b>TEST 2</b>
<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	9.3 p. 633 17–53 9.4 p. 641 37–118
<b>11</b>	Apr. 2	9.5 p. 647 19–82	Apr. 4	<b>TEST 3</b>
<b>12</b>	Apr. 9	9.6 p. 653 13–55 9.7 p. 659 9–57	Apr. 11	9.8 p. 667 13–70
<b>13</b>	Apr. 16	<b>Easter</b>	Apr. 18	9.9 p. 678 25–115
<b>14</b>	Apr. 23	10.1 p. 700 19–70	Apr. 25	<b>TEST 4</b>
<b>15</b>	Apr. 30	10.2 p. 713 23–74	May 2	<b>REVIEW</b>
<b>16</b>	May 7	<b>FINAL EXAM section 003</b> <b>10:15am – 12:15pm</b>	May 9	<b>FINAL EXAM section 005</b> <b>10:15am – 12:15pm</b>

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

**\*\*\*Last day to drop is Thursday, April 26, 2018\*\*\***