

Fall 2017 MATH 0320 - INTERMEDIATE ALGEBRA

INSTRUCTOR: Mrs. Jody Dean, B.S., M.S.

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OFFICE HOURS: @ Texas Tech – Holden Hall #34

11:30 – 1:00 Mon, Wed, Fri, and by appointment

COURSE DESCRIPTION: (3:3:1) Prerequisite: MATH 0315 or appropriate test score. This course is designed for students who need MATH 1314 or MATH 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. Semester Hours: 3 Lecture Hours: 3 Lab Hours: 1 Pre-requisite: MATH 0315 or one year of high school algebra. Note: Time in a math lab is required. This course will not satisfy graduation requirements.

TEXTBOOK: *Elementary and Intermediate Algebra (3rd Edition)* by Sullivan, Struve, and Mazzearella. Prentice-Hall Publishers.

SUPPLIES: You will need a graphing calculator, pencils, paper for note taking. The graphing calculator should be the equivalent of a TI-84 or lower. In other words, you will NOT be allowed to use a TI-89 or higher on an exam. You may NOT use a TI-Nspire on an exam. I suggest some type of notebook to keep all class notes, homework, and exams together to make exam prep much easier.

ATTENDANCE: Attendance and effort are the most important activities for success in this course. If you are absent, you, alone, are responsible for getting the notes and doing your assignment before the next class. If you decide to stop coming to class, you must go through the drop procedure. If you stop attending or miss *five* classes you may be dropped with a grade of F or X at the discretion of the instructor. Please talk with me to verify if you have successfully dropped the course. Please read the "Drops and Withdrawals" policies on page 21 in the current catalog. Attendance will be checked in each class meeting via a sign-in sheet. ***It is your responsibility to make sure that you sign in each class.*** Do not call or email me later to tell me that you forgot to sign in. That is your responsibility, not mine. Your number of absences will be calculated by the number of times you do not sign in. Therefore, you have a lot to lose if you do not.

HOMEWORK & QUIZZES: Homework will be on-line using MyMathLab. Homework should be a daily occurrence. It is important to note that it is *impossible* to pass this course without the homework. Additionally, after each section is covered in class, I will assign a set of suggested problems. These problems are not to be turned in, they are for your benefit only. Although these problems are not to be turned in, not doing them is a phenomenally bad idea!!! I recommend keeping all these assignments together in a notebook, in chronological order, along with your class notes. This will make preparing for exams much easier.

EXAMINATIONS: There will be **3** major exams. Correct the exams as they are returned in partial preparation for the final exam. Exams **MAY NOT** be made up. If you are absent on the day an exam is given, you will receive a grade of zero for that exam. At the discretion of the instructor, the final exam grade **may** be used to replace one zero for a missed exam. Subsequent zeros will stand. ***There is no such thing as missing the final exam.***

EXAM DATES:

Exam 1: Friday, September 29

Exam 2: Friday, October 27

Exam 3: Monday, November 20

FINAL EXAM: Monday, December 11, 1:30 – 4:00

MyMathLab: In order to do your quizzes you must have access the internet. Follow the instructions in the MML handout to register and get started.

You may work an assignment as many times as you would like. The best grade is the one I will record. Also, the more time you spend going over the homework, the greater the likelihood your grade will improve in the course.

ACADEMIC HONESTY: While working on homework and quizzes, students are allowed and even encouraged to work together. In this situation, two or more heads are almost always better than one. However, exams are different matter entirely. Each student is expected to work alone and with only the tools allowed for the exam. Any student caught cheating on an exam will receive a zero on that exam. A second offence will result in the student receiving an F for the course and being dropped from the course. Any student caught cheating on the final exam will receive an F for the course. There will be no exceptions to this rule.

GRADING: Your grade will be calculated as follows. Homework will be 30% of your grade. Each of the exams will be worth 15% and the final exam worth 25% of your overall grade. There are **NO MAKE-UP** exams, quizzes or classroom exercises. Final grades will be assigned on the following scale: **A** 90%-100%; **B** 80%-89%; **C** 70%-79%; **D** 60%-69%; **F** below 60%.

A grade of C or better is required in order to advance to the next course. Although your grade in this course will not be used in calculating your GPA, your grade in this course is used to determine academic status for financial aid. This course and its grade **will** be recorded on your official transcript. If you plan to transfer to another college or university, be advised that the grade you make in this course may affect your ability to transfer.

STUDENT RESPONSIBILITIES:

- 1. READ YOUR SYLLABUS!**
- 2. Attend class** and be aware of announcements made in class.
- 3. Read the sections assigned before class.**
- 4. Do homework** problems early enough to seek help if needed.
- 5. Work online quizzes**
- 6. Work extra problems**, as required, to understand each topic.
- 7. Turn cell phones OFF** prior to entering the classroom.

CLASSROOM BEHAVIOR: Be aware that class is over when I dismiss it, and not before. Any student who repeatedly disrupts my class will be asked to leave. Some of the things that I consider “disruptions” include, but are not limited to, packing your things before the end of class, ringing cell phones, talking while I am talking, making a late “entrance”, and so on. Texting while in class is also a disruption. **No tobacco products of any kind may be used at any time during class.** Chronic offenders will be banned from the classroom. It is phenomenally difficult to pass my class if you cannot attend on test days.

Do NOT use texting abbreviations in any correspondence with me.

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, please refer to the SPC policy at:

(http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.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.

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 Special 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 Special Services Coordinator. For more information, call or visit the Special Services Office in the Student Services building, (806)894-9611 ext 2529.

EQUAL OPPORTUNITY: South Plains College strives to accommodate the individual needs of all students in order to enhance their opportunities for success in the context of a comprehensive community college setting. It is the policy of South Plains College to offer all educational and employment opportunities without regard to race, color, national origin, religion, gender, disability or age.

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.

OBJECTIVES:

UPON COMPLETION OF THIS COURSE, THE STUDENT WILL BE ABLE TO:

1. Define, represent, and perform operations on real and complex numbers. (9.9)
2. Recognize, understand, and analyze features of a function. (8.3, 8.4)
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, 10.1, 10.2)
5. Identify and solve absolute value and linear inequalities. (8.6, 8.7)
6. Model, interpret, justify mathematical ideas and concepts using multiple presentations. (6.7, 7.8, 8.2, 8.5, 9.8)
7. Connect and use multiple strands of mathematical situations and problems, as well as in the study of other disciplines. (The word problems in Chapters 6, 7, 8, 9, and 10 cover this outcome.)