

MATH 95 Intermediate Algebra SPRING 2024

1-2:50 T, Th D224 Sci Bldg
Sect 01

INSTRUCTOR: Martin Lee

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OFFICE HOURS: TBA

Catalog Description:

MATH 95. Intermediate Algebra. 2 cr. Linear equations including graphing, exponents, radicals, function notation, and quadratic equations. Prereq: Math 90 or suitable placement test score.

Text: Elementary and Intermediate Algebra 5ed., Tussy and Gustafson (available in campus bookstore).

CALCULATORS: You may use any four-function, scientific, or graphing calculator without a computer algebra system. **Cell phone calculators will not be allowed on exams and quizzes.** Please check with me if you have any questions about calculators. See the end of the syllabus for a list of prohibited calculators.

CLASSROOM ETIQUETTE:

- All cellular phone, beepers, and electronic devices that could disrupt class should be in sleep mode or off while class is in session. Research supports that having visual access to a cell phone diminishes our ability to learn. Checking social media, texts, emails, and messages is unprofessional and disrespectful to our class community. Please turn off your phone during class; I will do so as well. If I notice that you are using your phone during class. I may ask you to share what you are researching or ask you to put it away. Thank you for following these guidelines as they help create a positive learning community.
- If you plan to attend class, be there at the beginning, be engaged and stay until the end.

COURSE OUTCOMES:

Students should understand and appreciate the following:

- Numbers and variables can be used to describe real life relationships.
- Laws and properties of algebra must be followed to maintain relationships between numbers and variables.
- Graphs provide a visual way to view and analyze relationships between variables.
- Problem solving skills allow us to approach real life problems, analyze how to solve them, and check our answers.
- Knowledge of exponents enables us to manipulate and solve polynomials.

GRADING POLICY: Your final letter grade will be based on the total points accumulated during the course. This will include exams (2 at 100 pts ea.) quizzes and homework (approx. 6 at 10 pts ea) and one cumulative final (pts tbd).

typewriter keypad with keys in QWERTY format (calculators with letter keys not in QWERTY format are permitted), calculators with built-in computer algebra systems, **prohibited calculators** in this category include: Casio: Algebra fx 2.0, ClassPad 300, and all model numbers that begin with CFX-9970G, Texas Instruments: All model numbers that begin with TI-89 or TI-92, and TI-Nspire CAS, Hewlett-Packard: hp 48GII and all model numbers that begin with hp 40G or hp 49G. Calculators which have been modified such as calculators with paper tape (remove the tape), calculators that make noise (turn off the sound feature), calculators that can communicate wirelessly with other calculators (completely cover the infrared data port with heavy opaque material, such as duct tape or electrician's tape (includes Hewlett-Packard HP-38G series and HP-48G)).

Please do not wait to get help if you are having trouble. The only way to learn mathematics is by doing it. **Be persistent, be positive and do not fall behind!**

Tentative chapters and sections to be covered;

Ch #5 sect. 1,2

Ch #8 sect. 2,6,&7

Ch #6 sect. 6,7

Ch #9 sect. 1,2,3,4,5,&6 with exam 1 after 9.2

Ch #10 sect. 1,2,&3 with exam 2 after 10.3