

Math 0320 Intermediate Algebra

Purpose of Course: To provide a fundamentals in algebra course. It includes factoring, fractions, linear equations in one unknown, graphs, systems of linear equations, exponents, radicals and quadratic equations. This course will not satisfy graduation requirements.

Textbook: Elementary and Intermediate Algebra, by Sullivan, Struve and Mazarella, Third Edition

Supplies: A calculator. (TI Inspire is not allowed and graphing calculators are discouraged.)

Attendance: Attendance to all class meetings is mandatory. Whenever absences become excessive and, in the instructor's opinion, minimum course requirements cannot be met due to absences, the student will be dropped by the instructor.

Grade Determination: Your final grade will be the average of the major exams, homework average and the final exam. There will be no makeup exams given. It is important to take exams on time or schedule to take it early with the permission of the instructor. Scheduling of the exam to be taken early is at the discretion of the instructor. A missed exam will receive a grade of zero.

A(90-100) B(80-89) C(70-79) D(60-69) F(0-59)

Cell Phones: In this class, the instructor reserves the right to ask a students to leave the class if a cell phone is left on and it disrupts the class. This instructor defines disrupting the class as allowing the phone to ring, vibrate in class or answering the phone in class. This is very disrespectful to your classmates and your instructor.

Homework: Homework will be assigned daily. Questions are taken at the next class period only. You are responsible for keeping up to date and prepared. No late homework will be accepted...no exceptions. Keeping up to date and current on homework has been shown to correlate with passing the course. Some short homework assignments will be done in class and turned in during the class. These in class assignments cannot be made up.

*During exams and quizzes the use or possession of smartphones, smart watches, water bottles or any labeled bottled drinks, and bathroom breaks are not allowed. Any infraction will be penalized with a minimum 15 point deduction on exam and can result in the removal of the student from the course.

Dropping a course: Refer to the current catalog.

Equal Opportunity: 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 change, 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 Disabilities Services Office early in the semester so that the appropriate arrangements may be made. In accordance to federal law, a student requesting accommodations must provide acceptable documentation of his/her disability. For more information, call or visit the Disability Services Office in the Student Services building, (806) 716-2577.

Course Outcomes:

1. Graph linear equations and write the equation of the line
2. Solve systems of equations by graphing, substitution and elimination.
3. Translate and solve word problems using systems of equations.
4. Graph systems of inequalities.
5. Factor polynomials
6. Solve quadratic equations by factoring, completing the square, square root method and quadratic formula
7. Simplify radical expressions and rational expressions by adding, subtracting, multiplying and dividing.
8. Add, Subtract, Multiply and Divide Complex #'s
9. Solve radical and rational equations.

| Monday | Tuesday | Wednesday | Thursday | Friday |
|-----------------------------------|------------------------------------|---------------------------------|-------------------------------------|---------------------------------|
| January 16 MLK Holiday | January 17 Forms and Assessment | January 18 | January 19 Factoring Review, 2.2 | January 20 |
| January 23 | January 24 4.2, 4.3 | January 25 | January 26 4.4,7.1 | January 27 |
| January 30 | January 31 7.2, 7.3 | February 1 | February 2 Review | February 3 |
| February 6 | February 7 Test 1 | February 8 | February 9 7.5,7.6 | February 10 |
| February 13 | February 14 7.7,7.8 | February 15 | February 16 8.3,8.4 | February 17 |
| February 20 | February 21 8.6, 8.7 | February 22 | February 23 9.1, 9.2 | February 24 |
| February 27 | February 28 Review | March 1 | March 2 Test 2 | March 3 |
| March 6 | March 7 9.3, 9.4 | March 8 | March 9 9.5 | March 10 |
| March 13 Spring Break | March 14 Spring Break | March 15 Spring Break | March 16 Spring Break | March 17 Spring Break |
| March 20 | March 21 9.6, 9.8 | March 22 | March 23 6.6 | March 24 |
| March 27 | March 28 Review | March 29 | March 30 Test 3 | March 31 |
| April 3 | April 4 3.3, 3.4 | April 5 | April 6 3.5, 3.6 | April 7 |
| April 10 | April 11 3.7 | April 12 | April 13 10.1 | April 14 |
| April 17 Easter Holiday | April 18 10.2 | April 19 | April 20 Review | April 21 |
| April 24 | April 25 Test 4 | April 26 | April 27 LDTD Topics | April 28 |
| May 1 | May 2 Final Review | May 3 | May 4 Final Review | May 5 |
| May 8 | May 9 Final Exam 8-10 am | May 10 | May 11 | May 12 Commencement |