

## Course Syllabus: Intermediate Algebra (0320)

### Major Course Requirements:

- Homework: 20% of grade measured on correctness and quality of work
- Tests: 60% of grade measured on correctness and quality of work
- Final: 20% of grade measured on correctness and quality of work

### Course Learning Objective:

1	Define, represent, and perform operations on real and complex numbers.
2	Recognize, understand, and analyze features of a function.
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.
4	Identify and solve absolute value, polynomial, rational, and radical equations.
5	Identify and solve absolute value equations and inequalities.
6	Model, interpret, justify mathematical ideas and concepts using multiple representations.
7	Connect and use multiple strands in mathematical situations and problems, as well as in the study of other disciplines.

### General Subject Matter Topics:

Week(s)	Topics	Learning Objectives
1-3	Factoring Polynomials	1, 3, 4
6-8	Rational Expressions and Equations	1, 4, 6, 7
7-9	Functions/Absolute Value Equations/Inequalities	1-5
10-15	Radicals/Radical and Quadratic Equations	1, 3-7

### 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 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 Rooms 809 and 811, Reese Center Building 8, 806-716-4675

### 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.