



## **MAT 152**

### **Elementary Algebra**

5 credit hours

5 contact hours (5 lecture hours)

**Catalog Description** This course includes the following topics: operations with signed numbers; addition, subtraction, multiplication and division with algebraic expressions; factoring; techniques for solving linear and fractional equations; and an introduction to graphing. *MAT 152 is designed for the student with little or no previous experience in algebra, as well as the student who has difficulty with mathematics and would benefit from more instructional time with an emphasis on mathematics study skills. Students who receive credit for MAT 152 may not receive credit for MAT 101.*

**Prerequisite** MAT 032 or appropriate placement score

**What will I learn?** At the end of this course, you should be able to:

1. Perform basic operations of addition, subtraction, multiplication, and division with real numbers.
2. Solve first degree equations and inequalities and graph lines and linear inequalities.
3. Factor algebraic expressions.
4. Solve quadratic equations by factoring.

### **Textbook and Required Materials**

*Elementary Algebra* by Michael Sullivan and Katherine Struve (Prentice Hall, 2007)

*Math Study Skills Workbook* by Paul D. Nolting (Houghton Mifflin, 2008)

**Grading System and Policy** The College-wide grading scale is

91-100 = A, 81-90 = B, 71-80 = C, 65-70 = D, below 65 = F

There will be a comprehensive departmental final exam, which everyone must take (no exemptions), and which counts 25% of the final grade. The remaining 75% will be specified by your instructor's syllabus addendum.

**Attendance/ Withdrawal** Before attending classes, you must meet all prerequisites and officially register for all courses. Prompt and regular attendance is your responsibility. You are responsible for all material covered and all assignments made in class. Any time you are absent from a class, laboratory or other scheduled events, it is your responsibility to make satisfactory arrangements for any make-up work permitted by the instructor.

An absence is defined as nonattendance for any reason, including illness, emergency or official leave. If you arrive late to class, you may not be allowed into the classroom and may be considered absent for that period. If you leave before the instructor dismisses class, you may also be considered absent. All class sessions are important. Any time you miss a class you increase your risk of making a failing grade.

If you quit coming or participating in the course and do not officially withdraw by the withdrawal date for each semester, you will receive a grade of F. Your instructor cannot assign a grade of W. If you receive financial aid or veterans' aid, your aid may be revised as a result of any changes in your course schedule.

**Instructor availability** Your instructor is available to you outside of class for academic assistance. Full-time faculty members maintain and post regularly scheduled office hours. Part-time faculty members are accessible in a variety of ways, which may include conferences before and after class or by appointment, telephone conferences, and E-mail. The phone number for reaching your instructor is provided on your syllabus addendum.

**See your syllabus addendum** This is a departmental syllabus for all sections of the course. As such, it tries to address issues common to all sections. There will be issues (grading details, office hours, and the like) that are specific to your section, and these details will be covered in an addendum issued by your instructor.

### **Activated Electronic Communication Devices**

These devices, such as cell phones and pagers are NOT permitted in TTC classrooms. On-call emergency personnel are required to report to their instructors and cannot communicate by electronic means during a testing situation.

**For Students Enrolled in Online or Other Distance-Learning Sections** To confirm that you are actively involved in this course you need to contact the instructor at least once per week. Forms of contact can include (but are not limited to) posting/receiving emails, participating in online class discussions or chat rooms, and completing and submitting course assignments. Please see the instructor's addendum for any additional instructions.

**ADA Statement** The College will make reasonable accommodations for persons with documented disabilities. Students with disabilities should notify Services for Students with Disabilities (located in the Student Success Center) and their instructors of any special needs. Instructors should be notified on the first day of classes.

### **Textbook Portions Covered**

The course will cover the book sections listed below. You may want to use the supplementary materials available in The Learning Center (920/ 211C).

Unit 1 Operations on Real Numbers and Algebraic Equations	Chapter 1 & section 6.1
Unit 2 Equations and Inequalities in One Variable	Chapter 2
Unit 3 Exponents and Polynomials	Chapter 3
Unit 4 Factoring Polynomials	Chapter 4
Unit 5 Introduction to Graphing and Equations of Lines	Chapter 8, sections 1-5

**College Information** TTC uses Campus Cruiser e-mail as the standard communication system to send information to students and uses TTC Express to post final course grades. To access your accounts go to [www.tridenttech.edu](http://www.tridenttech.edu).

**Supplementary Help** The Learning Center (920 bldg, rm 211) offers additional resources for help with this course, including tutoring, group study sessions, and some publisher videos or DVDs.

**Department Head** Elizabeth White at 574-6538

**Division Admin. Asst.** 574-6015 (emergencies only)

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