

ICR FOR MATH-0362 LECTURE Fall 2017

Instructor: Vinh Nguyen, Ph.D.

Instructor Website: www.math-simulation.com

Text(s): Author, Title, Publisher, Edition

Title: Beginning and Intermediate Algebra with P.O.W.E.R. Learning

Edition: 4th

Author: Messersmith and Feldman

Publisher: McGraw Hill

Special Materials, supplies, equipment, and fees

Required Materials:

Hardcopy of the textbook is available in the bookstore.

Graphing calculator is not allowed.

Scientific calculator is allowed (TI-30XIIS is recommended).

Class Focus: Instructor's overview of the class

Course Description: A study of relations and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical, rational), with a special emphasis on linear and quadratic expressions and equations.

Class Requirements

No test grades will be dropped. You are allowed 1 attempt on each test, and they must be taken by the deadline set by your instructor.

The final exam will be given in class on the last day of class in the classroom.

Attendance Policy:

Regular and punctual class attendance is expected at Tarrant County College. Student absences will be recorded from the first day the class meets. In case of absence, it is the student's responsibility to contact the instructor. Students absent on official school business are entitled to make up coursework missed. In all other cases, make up work will not be accepted. However, the student is expressly responsible for any work missed regardless of the cause of the absence. The student must discuss such work with the instructor and should do so immediately on returning to school. Communication between the student and instructor is most important, and it is the student's responsibility to initiate such communication. Students who stop attending class for any reason should contact the instructor and the Registrar's office to officially withdraw from the class. Failure to officially withdraw may result in a failing grade for the course.

Class attendance and participation are essential to student success. The following attendance district guidelines apply:

A student in an on-campus course missing a total of 15 percent of the class meetings and not keeping up with the course assignments may be dropped at the discretion of the instructor.
Arriving late and leaving class early will also impact your number of absences.

It is extremely important that you are on time for class and that you remain in class for the entire class time. If you come in after class has started, it is your responsibility to check in with me after class to avoid being counted absent. Should a situation arise where you must leave early, you must let me know in advance. Should you leave early without advance notice, you will be counted as an unexcused absence for that day. The instructor may ask the student to leave the classroom if his/her behavior is disruptive to the class. Such behavior may include, but is not limited to eating, talking, cell phones ringing, and outbursts.

Grading Criteria:

Homework (and other daily work) Average: 15%

Test Average 65%

Final Exam: 20%

Grading Scale:

90-100 A

80-89 B

70-79 C

60-69 D

0-59 F

Important Class Dates:

Labor Day: September 4th

Thanks Giving Break: November 23th – 26th

Last day to drop the class: November 16th

Final exam: week of Dec 8th

Daily Class Assignments:

Week of Sept 8:

7.1 Greatest Common Factor and Factor by Grouping

7.2 Factoring Trinomials of the form $x^2 + bx + c$

7.3 Factoring Trinomials of the form $ax^2 + bx + c$

Week of Sept 15:

7.4 Factoring Special Trinomials and Binomials

7.5 Solving Quadratic Equations by Factoring

7.6 Applications of Quadratic Equations

Week of Sept 22:

8.1 Rational Expressions

8.2 Multiplying and Dividing Rational Expressions

8.3 Finding the LCD

TEST 1

Week of Sept 29:

8.4 Adding and Subtracting Rational Expressions

8.5 Complex Fractions

8.6 Solving Rational Equations

Week of Oct 6:

7.7 Applications of Rational Equations

8.8 Variation

4.6 Intro to Functions

TEST 2

Week of Oct 13:

5.1 Solving Systems by Graphing

5.2 Solving Systems by Substitution

5.3 Solving Systems by Elimination

Week of Oct 20:

9.1 Absolute Value Equations

9.2 Absolute Value Inequalities

9.3 Linear and Compound Inequalities in Two Variables

TEST 3

Week of Oct 27:

10.1 Finding Roots

10.2 Rational Exponents

10.3 Simplifying Expressions with Square Roots

Week of Nov 3:

10.4 Simplifying Expressions with Higher Roots

10.5 Adding, Subtracting and Multiplying Radicals

10.6 Dividing Radicals

Week of Nov 10:

10.7 Solving Radical Equations

10.8 Complex Numbers

11.2 Pythagorean Theorem and Distance Formula

TEST 4

Week of Nov 17:

11.3 The Quadratic Formula

12.3 Quadratic Functions and Their Graphs

Week of Dec. 1:

Test 5

Week of Dec. 8:

Final Exam at 11am in class

Additional Information

Classroom Etiquette:

1. Please be on time and remain in class for the entire class period. Should a situation arise that requires you to leave early, please let me know in advance. If you leave early without advance notice, you will be counted absent for that day.

2. Any disruptive behavior that interrupts the educational process will not be tolerated. You will be asked to leave and not return until you have met with me during my office hours.

SUGGESTIONS FOR SUCCESSFUL COMPLETION OF THE COURSE:

- Be in class, be on time, and stay the entire class period.
- Make homework a priority. Math is a skill that you **MUST** practice.
- Begin working on assignments immediately after attending lecture in class.
- Do your homework daily. Do not play catch up. You cannot afford to miss an assignment or exam!
- Do not be afraid to ask questions. We are here to help you!

TSI ASSESSMENT RETAKE POLICY

If a developmental math student retakes the TSI Assessment during the semester and tests into the next higher class, they should notify their instructor. The student has two options:

1) Discontinue the class. Student does not come to class or turn in any work. Consequences of this choice:

- Student will receive a C in the course.
- Student will be given EA (excused absence) for Attendance.
- Student can sign up for the next course as soon as it becomes available.

2) Continue in the same course despite the higher TSI score. Student continues like all other students. Consequences of this choice:

- Student receives the grade earned.
- Student must come to class like any other student.

If the student does not notify the instructor, they will receive the grade earned on all assignments required for the course. Students should consult with their academic advisor and financial aid before discontinuing any class.

Faculty should consult the handout "Student retake of the TSI" and advise the student accordingly.

Communication:

Please keep all verbal and written communication professional and courteous. Please enter your course name in the subject line of any email you send to me. I will not open emails without a subject line.

Course Evaluation:

TCC and your instructor welcome your feedback. To complete an evaluation of this course, log in to Web Advisor. On the main Student page, you will see a link to course evaluations. The evaluation takes only

about five minutes to complete. Your responses will remain anonymous and will not be made available to your instructor and his or her supervisors until after final grades are submitted.

Important Financial Aid Statement:

If you are a financial aid recipient, not completing this course will impact your financial aid eligibility. Before you drop this course consult with the Student Financial Aid Services office. If your grade in this course is less than a "C" consult with the Student Financial Aid Services office regarding the impact to your financial aid eligibility.

Important Phone Numbers:

ConnectMath Technical Support: 949-390-2095
TCC Police 817-515-8911
TCC Information Center 817-515-8223

Tutoring Information:

Math Tutoring Center Hours (TRTR 4829; 817-515-1336)

Mon - Fri 8am – 8pm; Sat 9am – 5pm; Sun 12pm – 5pm

Math Testing Center Hours (TRTR 4913; 817-515-1329)

Mon - Fri 8am – 9pm; Sat 9am – 3pm (Students must enter 1 hour before closing)

Academic Dishonesty Policy:

Each of the following is considered academic dishonesty:

- Possession of practice tests/formulas/notes/textbook while testing.
- Removal of testing materials from the classroom or testing center.
- Display of a cell phone while testing. Consequently, cell phones must be turned off before testing.

Evidence of academic dishonesty will result in confiscation of test materials, notification to the mathematics department, and an automatic zero either on the assignment or in the course subject to discretion of the instructor.

Student Accessibility Resources (SAR):

Any student with a documented disability needing academic accommodations is required to contact the Student Accessibility Resources Office to schedule an appointment with the Coordinator of SAR. The office of SAR is responsible for approving and coordinating all disability-related services, and all discussions are confidential. Because SAR accommodations may require early planning and are not provided retroactively, students are urged to contact SAR, as early in the semester as possible. SAR is responsible for approving and coordinating all disability-related services. TCC professors will honor requests for accommodations when they are issued by SAR.

SAR office phone: 817-515-1295

Office Location: TRTR 3817A

Campus Carry:

Effective August 1, 2017, the Campus Carry law (Senate Bill 1.1) allows those licensed individuals to carry a concealed handgun in buildings on public community campuses, except in locations the College establishes as prohibited. Prohibited areas include but are not limited to Theater and Performance Halls, Health Services, Testing Services, Counseling Services, Physical Education, Early College High School Programs, Child Care Facilities, and the TCC Police Department. Under the new law, openly carrying handguns is not allowed on college campuses. For more specific TCC regulations, go to <http://www.tccd.edu/services/police-department/open-carry/campus-carry-regulations/>. For emergency information, please go to the following link: <https://www.tccd.edu/about/emergencyinformation/>.

This document becomes official on the first day of the semester. After that the instructor reserves the right to make changes to this document if necessary. Each student will be notified in writing of such a change and the revised syllabus will be posted in shared files on Blackboard