



NORTH CENTRAL TEXAS COLLEGE
INTERMEDIATE ALGEBRA COURSE SCHEDULE
Math 0310.420, Spring 2010

Note: THIS COURSE CANNOT BE COMPLETED SUCCESSFULLY WITHOUT A GOOD REVIEW AND PRACTICE OF THE ASSIGNMENT PROBLEMS.

01/20/2010 – Syllabus Review

Chapter 6: Factoring Polynomials

01/20 –N/A Tips for Success In Mathematics

6.1 Removing a Common Factor

6.2 Factoring by Grouping

01/27 – 6.3 Factoring Trinomials of the Form $x^2 + bx + c$

6.4 Factoring Trinomials of the Form $ax^2 + bx + c$ by Grouping

6.5 Special Cases of Factoring

02/03 – 6.7 Solving Quadratic Equations by Factoring

Chapter 7: Rational Expressions and Equations

02/03 – 7.1 Simplifying Rational Expressions

7.2 Multiplying and Dividing Rational Expressions

02/10 – QUIZ ONE: Chapter 6

02/10 – 7.3 Adding and Subtracting Rational Expressions

7.4 Simplifying Complex Rational Expressions

02/17 – 7.5 Solving Equations Involving Rational Expressions

7.6 Ratio, Proportion, and Other Applied Problems

Chapter 3: Graphing and Functions

02/24 – 3.1 The Rectangular Coordinate System

3.2 Graphing Linear Equations

3.3 The Slope of a Line

3.4 Writing Equations of a Line

03/03 – EXAM ONE: Chapter 7

Chapter 4: Systems of Linear Equations and Inequalities

03/03 – 4.1 Systems of Linear Equations in Two Variables

4.2 Systems of Linear Equations in Three Variables

03/10 – QUIZ TWO (Chapter 3 & 4)

Chapter 8: Rational Exponents and Radicals

- 03/10 – 8.1 Rational Exponents
- 8.2 Radical Expressions and Functions

03/17 – Spring Break (No Class)

- 03/24 – 8.3 Simplifying, Adding, and Subtracting Radicals
- 8.4 Multiplying and Dividing Radicals

- 03/31 – 8.5 Radical Equations
- 8.6 Complex Numbers
- 8.7 Variations

Chapter 9: Quadratic Equations and Inequalities

- 04/07 – 9.1 Quadratic Equations
- 9.2 The Quadratic Formula and Solutions to Quadratic Equations

04/14 – EXAM TWO: Chapter 8

Chapter 9: Quadratic Equations and Inequalities

- 04/14 – 9.3 Equations that can be Transformed into Quadratic Form
- 9.4 Formulas and Applications
- 9.5 Quadratic Functions

- 04/21 – 9.6 Compound Inequalities and Quadratic Inequalities
- 9.7 Absolute Value Equations and Inequalities

4/23 (Friday) – LAST DAY TO DROP WITH A “W”

04/28 – EXAM THREE: Chapter 9

05/05 – COURSE REVIEW

05/12 – FINAL EXAM (6:30 p.m., Rm. TBD)

See consent sheet below. Don't forget to complete, sign and return it to your instructor.