

Math 880 Schedule
TTh 12-1:50
Spring 2018

1/8	1/9 Introductions	1/10	1/11 Order Operations, Translating, Simplifying 1.3-1.7, 2.1	1/12	1/13	1/14 All Tests due by 10 pm
1/15	1/16 Properties, Real Number System 1.2, 1.8	1/17	1/18 Linear Equations, Word Problems 2.2-2.6	1/19	1/20	1/21 Ch. 1 Test due
1/22	1/23 Inequalities, Word Problems 2.7, 2.8	1/24	1/25 Slope, Graphing Lines 3.2-3.4	1/26	1/27	1/28 Ch. 2 Test due
1/29	1/30 Equations of Lines, Functions 3.5, 3.6, 8.1	1/31	2/1 Review, Systems 4.1-4.3, 4.5	2/2	2/3	2/4 Ch. 3 & 8.1 Test due
2/5	2/6 SSD	2/7	2/8 840 MIDTERM	2/9	2/10	2/11
2/12	2/13 Systems 4.5	2/14	2/15 Laws of Exponents, Polynomials 5.1-5.5	2/16	2/17	2/18 Ch. 4 Test due
2/19	2/20 Polynomials 5.6, 5.7	2/21	2/22 Factoring 6.1-6.5	2/23	2/24	2/25 Ch. 5 Test due
2/26	2/27 Solving by Fact, QF 6.6, 6.7, 11.2	2/28	3/1 Rational Expressions 7.1 – 7.4	3/2	3/3	3/4 Ch. 6 Test due
3/5	3/6 SPRING	3/7	3/8 BREAK	3/9	3/10	3/11 WEEK
3/12	3/13 Review, Solving Rational Equations 7.5, 7.7	3/14	3/15 840 FINAL	3/16	3/17	3/18
3/19	3/20 Functions, Transformations 8.2, 8.3	3/21	3/22 Variation, Radicals 8.4, 10.1	3/23	3/24	3/25 Ch. 7 Test due
3/26	3/27 Simplifying Radicals 10.2	3/28	3/29 Rational Exponents 10.2-10.5	3/30	3/31	4/1 Ch. 8 Test due
4/2	4/3 Radical Eqns, Complex #s 10.6, 10.7	4/4	4/5 Quadratic Functions 11.1-11.3	4/6	4/7	4/8 Ch. 10 Test due
4/9	4/10 Graph Quadratics, Nonlinear Inequalities 11.4-11.6	4/11	4/12 Circles, Inverses, Composition 13.1, 12.1, 12.2	4/13	4/14	4/15
4/16	4/17 940 MIDTERM	4/18	4/19 Evaluating, Graphing Logs/Exponents 12.3-12.6	4/20	4/21	4/22
4/23	4/24 Solving Exponents Log Equations, Applications 12.7	4/25	4/26 Catchup Day	4/27	4/28	4/29 Ch. 11 Test due
4/30	5/1 Review for Final	5/2	5/3	5/4	5/5	5/6 Ch. 12 & 13.1 Test due
5/7	5/8 Final 2-5	5/9	5/10	5/11	5/12	5/13

Lecture Topics

Print off these notes and bring to class. Video Lectures are available for all topics.

Math 840 Topics:

Chapter 1:

- Fractions (not covered in class)
- Adding and Subtracting Real Numbers (not covered in class)
- Multiplying and Dividing Real Numbers (not covered in class)
- Order of Operations
- Properties of Real Numbers
- The Real Number System
- Translating Words into Expressions and Equations

Chapter 2:

- Simplifying Expressions
- Solving Linear Equations
- Solving Formulas for a Specified Variable
- Solving Word Problems Using Linear Equations – Part I
- Solving Word Problems Using Linear Equations – Part II
- Solving Linear Inequalities

Chapter 3:

- Slope
- Graphing Lines
- Writing Equations of Lines
- Functions
- Linear Functions

Chapter 4:

- Solving Systems of Equations (2x2)

Chapter 5:

- Laws of Exponents and Scientific Notation
- Polynomials – Add, Subtract, Multiply

Chapter 6:

- Factoring
- Solving Equations by Factoring and the Quadratic Formula

Math 940 Topics:**Chapter 7:**

- Rational Expression – Domain, Simplify, Multiply, Divide
- Rational Expressions – Add, Subtract, Complex Fractions
- Difference Quotients
- Solving Equations and Word Problems Containing Rational Expressions

Chapter 8:

- Variation
- Piecewise Defined Functions
- Transformations of Functions and Graphing

Chapter 10:

- Simplifying, Multiplying, and Dividing Radicals
- Rational Exponents
- Adding and Subtracting Radicals
- Rationalizing Denominators and More Simplifying Radicals
- Solving Radical Equations
- Complex Numbers

Chapter 11:

- Solving Quadratic Equations
- Quadratic Functions and Graphs
- Non-Linear Inequalities
- Solving Non-Linear Equations

Chapter 12 and 13.1:

- Composition of Functions
- Inverse Functions
- Evaluating Logs and Properties of Logs
- Solving Exponential and Logarithmic Functions
- Applications of Exponential and Logarithmic Functions
- Graphing Exponential and Logarithmic Functions
- Circles