Sjoberg - Math 141
Homework List and Calendar - Fall 2018
Sullivan, College Algebra, Tenth Edition

Date	Lecture
Tue, Aug 21	Chapter 1, Part I: Linear Equations, Quadratic Equations, Complex Numbers
Thu, Aug 23	Chapter 1, Part II: Solving Radical Equations, Inequalities, Absolute Value Equations, Problem Solving
Tue, Aug 28	Chapter 2 Part I: The Coordinate Plane, Lines
Thu, Aug 30	Chapter 2 Part II: Circles, Variation
Mon, Sep 3	*Last day to add or drop without "W"*
Tue, Sep 4	3.1 Functions
	3.2 The Graph of a Function
	3.3 Properties of Functions
Thu, Sep 6	3.4 Library of Functions: Piecewise-defined Functions
	3.5 Graphing Techniques: Transformations
Tue, Sep 11	3.6 Mathematical Models: Building Functions
	4.1 Properties of Linear Functions and Linear Models
Thu, Sep 13	4.3 Quadratic Functions and Their Properties
	4.4 Build Quadratic Models from Verbal Descriptions and from Data
Tue, Sep 18	5.1 Polynomial Functions and Models
	5.2 Properties of Rational Functions
Thu, Sep 20	5.3 The Graph of a Rational Function
	5.4 Polynomial and Rational Inequalities
Tue, Sep 25	5.5 The Real Zeros of a Polynomial Function
	5.6 Complex Zeros; Fundamental Theorem of Algebra
Thu, Sep 27	Review
Tue, Oct 2	**Exam 1**
Thu, Oct 4	6.1 Composite Functions
	6.2 One-to-One Functions; Inverse Functions
Tue, Oct 9	6.3 Exponential Functions
	6.4 Logarithmic Functions
Thu, Oct 11	6.5 Properties of Logarithms
	6.6 Logarithmic and Exponential Equations

Date	Lecture
Tue, Oct 16	6.7 Financial Models
	6.8 Exponential Growth and Decay Models
Thu, Oct 18	7.1 Conics
	7.2 The Parabola
Tue, Oct 23	7.3 The Ellipse
	7.4 The Hyperbola
Thu, Oct 25	Review
Tue, Oct 30	**Exam 2**
Thu, Nov 1	8.1 (Optional) Systems of Linear Equations: Substitution and Elimination
	8.2 Systems of Linear Equations: Matrices
Tue, Nov 6	8.3 Systems of Linear Equations: Determinants
	8.4 Matrix Algebra
Thu, Nov 8	8.5 Partial Fraction Decomposition
	8.6 Systems of Nonlinear Equations
Sun, Nov 11	*Last day to withdraw*
Tue, Nov 13	8.7 Systems of Inequalities
	9.1 Sequences
Thu, Nov 15	9.2 Arithmetic Sequences
	9.3 Geometric Sequences; Geometric Series
Tue, Nov 20	9.4 Mathematical Induction
	9.5 The Binomial Theorem
Thu, Nov 22	*Thanksgiving holiday - no class meeting*
Tue, Nov 27	Review
Thu, Nov 29	**Exam 3**
Tue, Dec 4	Review
Thu, Dec 6	**Final Exam**