

Math 116 - DVDs

There are DVDs to accompany *College Algebra: A Graphing Approach, 4th edition* on reserve in the Kitty Lindsay Learning Resources Center (LRC). You must watch these videos in the LRC, you may not check them out. We are currently using the 5th edition of the textbook but the little has changed.

The table below provides a guideline to let you know which DVD corresponds to each section and how long (in minutes) the lesson is.

Section	DVD	Length	Title	
P.1	1	31	Real Numbers	
P.2	1	46	Exponents and Radicals	
P.3	1	35	Polynomials and Factoring	
P.4	1	43	Rational Expressions	
P.5	1	29	The Cartesian Plane	
P.6	1	19	Exploring Data: Representing Data Graphically	
1.1	2	30	Graphs of Equations	
1.2	2	38	Lines in the Plane	
1.3	2	32	Functions	
1.4	2	33	Graphs of Functions	
1.5	2	30	Shifting, Reflecting, and Stretching Graphs	
1.6	2	9	Combinations of Functions	
1.7	2	27	Inverse Functions	
2.1	3	72	Modeling with Linear Equations	
2.2	3	19	Solving Equations Graphically	
2.3	3	23	Complex Numbers	
2.4-2.5	3	66	Solving Equations Algebraically	(2.4 on video)
2.6	4	41	Solving Inequalities Algebraically and Graphically	(2.5 on video)
2.7	4	32	Exploring Data: Linear Models and Scatter Plots	(2.6 on video)
3.1	4	31	Quadratic Functions	
3.2	4	31	Polynomial Functions of Higher Degree	
3.3	4	37	Real Zeros of Polynomial Functions	
3.4	4	19	The Fundamental Theorem of Algebra	
3.5	4	11	Rational Functions and Asymptotes	
3.6	4	24	Graphs of Rational Functions	
3.7	4	10	Exploring Data: Quadratic Models	

Section	DVD	Length	Title	
4.1	5	28	Exponential Functions and Their Graphs	
4.2	5	35	Logarithmic Functions and Their Graphs	
4.3	5	26	Properties of Logarithms	
4.4	5	33	Solving Exponential and Logarithmic Equations	
4.5	5	48	Exponential and Logarithmic Models	
4.6	5	20	Exploring Data: Nonlinear Models	
5.1	6	25	Solving Systems of Equations	
5.2	6	13	Systems of Linear Equations in Two Variables	
5.3	6	49	Multivariable Linear Systems	
5.4	6	52	Matrices and Systems of Equations	
5.5	6	17	Operations with Matrices	
5.6	6	32	The Inverse of a Square Matrix	
5.7	7	24	The Determinant of a Square Matrix	
5.8	7	30	Applications of Determinants and Matrices	
6.1	7	23	Sequences and Series	
6.2	7	18	Arithmetic Sequences and Partial Sums	
6.3	7	30	Geometric Sequences and Series	
6.4	7	24	Mathematical Induction	
6.5	7	28	The Binomial Theorem	
6.6	7	24	Counting Principles	
6.7	8	28	Probability	
7.1-7.3	8	71	Conics	(7.1 on video is untranslated conics)
7.1-7.3	8	51	Translations of Conics	(7.2 on video is translated conics)
7.4	8	31	Parametric Equations	(7.3 on video)