

College Algebra

Mike Pierce · Math113 · Spring 2023 · Last tended 13 May 2023 · Hosted at coloradomesa.edu/~mapierce2/113

Week One · January 23

Monday – **Preliminary Assessment**

Tuesday – Syllabus & Orientation

Wednes/Thursday – §1.1 Functions and Models

Week Two · January 30

Mon/Tuesday – §1.2 Graphs of Functions

Wednesday – §1.3 Linear Functions

Thursday – §1.4 Equations of Lines

Add/drop deadline is February 7

Week Three · February 6

Mon/Tuesday – §2.1 Algebraic and Graphical Solution of Linear Equations

Wednes/Thursday – §2.2 Fitting Lines to Data Points [...]

Week Four · February 13

Monday – §2.3 Systems of Linear Equations in Two Variables

Tuesday – §2.4 Solutions of Linear Inequalities

Wednes/Thursday – **First Midterm Exam**

Week Five · February 20

Mon/Tuesday – §3.1 Quadratic Functions; Parabolas

Wednes/Thursday – §3.2 Solving Quadratic Equations

Week Six · February 27

Mon/Tuesday – §3.3 Power and Root Functions

Wednes/Thursday – §3.4 Piecewise-Defined [...] and Power Functions

Week Seven · March 6

Monday – §3.5 Quadratic and Power Models

Tuesday – §4.1 Transformations of Graphs and Symmetry

Wednes/Thursday – §4.2 Combining Functions; Composite Functions

Week Eight · March 13

Mon/Tuesday – §4.3 One-to-One and Inverse Functions

Wednes/Thursday – **Second Midterm Exam**

Week Nine · March 20

Spring Break, No Class

Week Ten · March 27

Mon/Tuesday – §5.1 Exponential Functions

Wednes/Thursday – §5.2 Logarithmic Functions; Properties of Logarithms

Withdraw deadline is April 10

Week Eleven · April 3

Mon/Tuesday – §5.3 Exponential and Logarithmic Equations

Wednes/Thursday – §5.4 Exponential and Logarithmic Models

Week Twelve · April 10

Monday – §5.5 Exponential Functions and Investing

Tues/Wednes/Thursday – Class Cancelled

Week Thirteen · April 17

Mon/Tuesday – §5.7 Logistic and Gompertz Functions

Wednes/Thursday – §5.6 Annuities; Loan Repayment

Week Fourteen · April 24

Mon/Tuesday – Midterm Review

Wednes/Thursday – **Third Midterm Exam**

Week Fifteen · May 1

Monday – §6.1 Higher-Degree Polynomial Functions

Tuesday – §6.2 Modeling with Cubic and Quartic Functions

Wednes/Thursday – §6.3 Solution of Polynomial Equations

Week Sixteen · May 8

Mon/Tuesday – §6.4 Polynomial Equations Continued [...]

Wednes/Thursday – §6.5 Rational Functions and Rational Equations

Final Exam

Section 008 (11am Class) – Wednesday May 17 @ 10am

Section 007 (3pm Class) – Wednesday May 17 @ 3pm