# 16-Week Schedule - Online Sections - Liberal Arts Mathematics

**Note:** Based on *Mathematics All Around* by Thomas Pirnot.

## Week 1

* Video Assignment – Percentage, Taxes, and Inflation
* Homework – Percentage, Taxes, and Inflation
* Video Assignment – Interest
* Homework – Interest

## Week 2

* Video Assignment – Consumer Loans
* Homework – Consumer Loans
* Video Assignment – Annuities
* Homework – Annuities

## Week 3

* Video Assignment – Mortgages
* Homework – Mortgages
* Chapter 8 Quiz
* Video Assignment – Lines, Angles, and Circles
* Homework – Lines, Angles, and Circles

## Week 4

* Project 1
* Video Assignment – Polygons
* Homework – Polygons

## Week 5

* Project 1
* Video Assignment – Perimeter and Area
* Homework – Perimeter and Area
* Video Assignment – Volume and Surface Area
* Homework – Volume and Surface Area
* Chapter 9 Quiz

## Week 6

* Project 2
* Video Assignment – Apportionment
* Homework – Apportionment

## Week 7

* Project 2
* Video Assignment – Huntington-Hill Apportionment
* Homework – Huntington-Hill Apportionment
* Chapter 10 Quiz
* Video Assignment – Voting Methods
* Homework – Voting Methods

## Week 8

* Chapter 11 Quiz
* Video Assignment – Introduction to Counting Methods
* Homework – Introduction to Counting Methods
* Video Assignment – Fundamental Counting Principle
* Homework – Fundamental Counting Principle

## Week 9

* Video Assignment – Permutations and Combinations
* Homework – Permutations and Combinations
* Chapter 12 Quiz
* Video Assignment – Probability Theory
* Homework – Probability Theory

## Week 10

* Video Assignment – Complements and Unions of Events
* Homework – Complements and Unions of Events
* Video Assignment – Conditonal Probability and Intersections of Events
* Homework – Conditional Probability and Intersections of Events
* Chapter 13 Quiz

## Week 11

* Project 3
* Video Assignment – Organizing and Visualizing Data
* Homework – Organizing and Visualizing Data

## Week 12

* Video Assignment – Measures of the Center
* Homework – Measures of the Center
* Video Assignment – Measures of Dispersion
* Homework – Measures of Dispersion

## Week 13

* Video Assignment – The Normal Distribution
* Homework – The Normal Distribution
* Chapter 14 Quiz

## Week 14

* Review for Final

## Week 15

* Review for Final

## Week 16

* Final Exam