

Math Refresher

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This course introduces students to the math required for quantitative courses such as economics, statistics, and finance at the Maryland School of Public Policy. The skills necessary to thrive will include a comfort level with basic algebraic manipulations, an understanding of some differential Calculus, and more. The following topics will be covered during the summer: graphing, probability, solving systems of equations, logarithms, rules exponents, basic differentiation, the Langrangian technique, and some additional topics.

Class will be held each **Wednesday evening at 6:30pm-9:00pm**, while discussion sections will be held each **Monday from 6:30pm-9:00pm**. In both time slots, there will be ample time for students to practice problems and to ask questions in addition to being introduced to new topics.

The Optional (though recommended) textbook for the class is Mathematics with Applications 9th or 10th Editions (or earlier if need be) by Lial, Hungerford, and Holcomb. *I strongly suggest buying the cheapest version of the text you can find.*

A fun book for statistics is “Naked Statistics” by Charles Wheelan. You won’t regret buying a cheap used version, but it is not necessary for this course.

Topics Summer 2019

Date	Topic
Wd, May 29	Overview of Required Math+ the Basics
Wd, June 5	Solving Systems of Linear Equations
Wd, June 12	Graphing + More Advanced Algebra
Wd, June 19	Exponents and Logs + Intro to Calculus
Wd, June 26	Micro Applications Calculus
Wd, July 3	Micro Applications of Calculus
Wd, July 10	More Advanced Calculus Topics
Wd, July 27	More Advanced Calculus Topics
Wd, July 24	More Advanced Calculus Topics
Wd, July 31	Probability and Stats
Wd, August 7	Probability and Stats
Wd, August 14	Probability and Stats