

# **M339D: Important Prerequisite Material**

## **0.1 Pre-college basics.**

- ☐ Graphing piecewise linear functions

## **0.2 Probability.**

- ☐ Defining properties.
- ☐ Conditional probability.
- ☐ Random variables.
- ☐ Expectations of functions of random variables.
- ☐ Variance.
- ☐ The binomial distribution.
- ☐ The normal distribution.

## **0.3 Interest theory.**

- ☐ Effective interest rates.
- ☐ Force of interest.
- ☐ Simple loans.
- ☐ Zero-coupon bonds.
- ☐ Definition of duration.
- ☐ Principles of immunization.