Contact Information

Instructor: Ryan Donnelly (rdon@uw.edu)

Class Schedule: MW 1:30 - 3:20 pm, LOW 206

Exams

Midterm: November 6, 2017 at 1:30 pm

Final Exam: December 11, 2017 at 2:30 pm

Grading

Homework: 40% (assigned weekly or biweekly)

Midtern: 30%

Final Exam: 30%

Materials

Textbook (available online from the university library): Ang, Andrew (2014), Asset Management: A Systematic Approach to Factor Investing, Oxford University Press

Other readings may be assigned as the course progresses.

Details

This course is an introduction to the mathematical, statistical and financial foundations of investment science. Learning of the theoretical concepts will be re-enforced through use of R computing exercises. The material is similar in scope to an MBA level investments course, but at a significantly higher quantitative level. The main topics of focus are:

- Basic Theory of Interest Rates
- Term Structure of Interest Rates and Fixed Income Securities
- Mean-Variance Portfolio Theory
- Factor Models and CAPM
- Risk Preferences and Measures

Some additional topics will be covered based on available time, such as futures and forward contracts, discrete time option pricing, and preliminary continuous time option pricing.