York University
Department of Economics

ECON 5030 - Econometrics of Financial Markets
Winter 2024

Course Outline

Course Instructor

Name:	Prof. Razvan Sufana
Office:	VH 1030
Email:	rsufana@yorku.ca (Please include course number in subject line)

Lecture Time and Location

Monday 11:30 – 2:30 PM,   R S122

Course Website

https://eclass.yorku.ca/

Office Hours

Tuesday 1:00 – 2:00 PM,   VH 1030

Course Description

The course focuses on making the transition from an asset pricing model to an econometric model and covers econometric methods and techniques used in modern empirical finance. Theoretical analysis of the problems is combined with empirical investigation based on the use of real financial data.

Evaluation

Midterm Exam	(50% of final grade):	February 26
Final Exam	(50% of final grade):	TBA

Final course grades may be adjusted to conform to Program or Faculty grades distribution profiles.

Course Text

Statistics and Finance, by David Ruppert, Springer 2004 (R)

Some material will be from:
Statistics and Data Analysis for Financial Engineering, by David Ruppert and David S. Matteson, Second Edition, Springer 2015 (RM)

Organization of the Course (Topics)

1. Probability and Statistical Models (R - Chapter 2)
2. Returns (R - Chapter 3)
3. Portfolio Theory I (R - Chapter 5)
4. Portfolio Theory II (R - Chapter 5)
5. The Capital Asset Pricing Model (R - Chapter 7)
6. Factor Models I (RM - Chapter 18, R - Chapter 7)
7. Factor Models II (RM - Chapter 18, R - Chapter 7)
8. Option Pricing (R - Chapter 8)
9. Risk Management (RM - Chapter 19, R - Chapter 11)

Important Course Information for Students

All students are expected to familiarize themselves with the following information, available at:
https://secretariat.info.yorku.ca/files/CourseInformationForStudentsAugust2012-.pdf?x45720