This is a doctoral level course on continuous-time asset pricing and portfolio choice.

Course Outline

1. Mathematics and statistics background
2. Arbitrage and martingales
3. The continuous-time financial market
4. Contingent claims pricing
5. Optimal consumption and portfolio choice
6. Equilibrium
7. American options

Recommended books


Assignments

1. Exam on March 25 (67% of grade)
2. Referee report on a paper in an area of your interest that uses continuous-time modeling, due May 30 (33%)