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. American options
6. Optimal consumption and portfolio choice
7. Contingent claims pricing with portfolio constraints
8. Optimal consumption and investment with portfolio constraints
9. Equilibrium

Recommended books


