

## Finance – PhD in Economics and Management, University of Verona

Class instructors: Luca Taschini, Roberto Renò

1. Principles of Asset Pricing
  - a) Preliminaries: bond, stocks
  - b) Pricing under uncertainty
  - c) Consumption-based pricing: the stochastic discount factor
  - d) Risk-neutral pricing
2. Principles of Derivatives Pricing
  - a) The Black-Scholes model
  - b) Hedging
  - c) Futures contracts and other derivatives
3. Principles of Commodities Pricing
  - a) The theory of storage
  - b) Energy commodity markets
  - c) Pricing of energy products

Suggested Readings:

**Bjork**, “Arbitrage Theory in Continuous Time”

**Cochrane**, “Asset Pricing”

**Aid, R.** “Electricity Derivatives”