Course description
This course covers probability theory and statistical tools that are fundamental for financial modeling, analyzing financial data and further study in financial engineering. The course consists of four parts mainly: probability theory, statistical inference, time series analysis and regression.

Course materials
- Lecture notes: available on http://compass2g.illinois.edu
- References
  - Statistics and Data Analysis for Financial Engineering, 2011, David Ruppert
  - Econometrics, 2000, Fumio Hayashi
  - Use R! series

Policies
- Homework 35%, Essays 30%, Final exam 35%
- Homework and essays are due at the beginning of the class on Tuesdays. No late homework/essays will be accepted. If you cannot submit on the due date, submit earlier
- All homework assignments and essays must be finished individually. Cheating/plagiarism cannot be tolerated. Those who violate will fail the course. You should protect your own work to avoid penalty due to the cheating of other students. See http://studentcode.illinois.edu/article1_part4_1-402.html for UIUC student code
- Requests for correction of possible grading errors must be submitted to the professor within one week after the work is returned. No corrections possible afterwards
- Exams are open notes; makeup exams are possible only under emergencies (official proof required prior to the exam)
- Please attend class on time and check your email regularly for important announcements. Please make sure your email address in the system is correct and your account is not over quota