Quantitative Methods Course List

Government
- 2000: Introduction to Quantitative Research Methods
- 2001: Advanced Quantitative Research Methods
- 2002: Causal Inference
- 2003: Topics in Quantitative Methodology

Statistics
- 110: Probability
- 111: Introduction to Theoretical Statistics
- 120: Introduction to Bayesian Inference and Applications
- 131: Time Series and Prediction
- 139: Statistical Sleuthing Through Linear Models
- 140: Design of Experiments
- 149: Statistical Sleuthing Through Generalized Linear Models
- 151: Multilevel and Longitudinal Models
- 160/260: Design and Analysis of Sample Surveys
- 171: Introduction to Stochastic Processes
- 186: Statistical Methods for Evaluating Causal Effects
- 210: Probability I
- 211: Statistical Inference I
- 212: Probability II
- 213: Statistical Inference II
- 220: Bayesian Data Analysis
- 221 Statistical Computing and Learning
- 230: Multivariate Statistical Analysis
- 244: Linear and Generalized Linear Models

Economics
- 2110: Econometrics I
- 2120: Introduction to Applied Econometrics
- 2140: Econometric Methods
- 2142: Time Series Analysis
- 2144: Advanced Applied Econometrics

Psychology
- 2070: Psychometric Theory and Method Using R

Computer Science
- 181: Machine Learning
- 281: Advanced Machine Learning
Biostatistics (Chan School of Public Health)
- 230: Probability I
- 231: Statistical Inference I
- 232: Methods I
- 233: Methods II
- 234: Introduction to Data Structures and Algorithms
- 240: Probability II
- 241: Statistical Inference II
- 244: Analysis of Failure Time Data
- 245: Analysis of Multivariate and Longitudinal Data
- 254: Theory and Methods for Causality (Section I)

MIT
- 17.800: Quantitative Research Methods I: Probability, Statistics and Regression Analysis
- 17.802: Quantitative Research Methods II: Causal Inference
- 17.804: Quantitative Research Methods III: Generalized Linear Models and Extensions
- 17.806: Quantitative Research Methods IV: Advanced Topics

Formal Theory Course List

Government
- 2005: Formal Political Theory I
- 2006: Formal Models of Domestic Politics
- 2158: Political Institutions & Economic Policy

Economics
- 2020A: Microeconomic Theory I
- 2020B: Microeconomic Theory II
- 2034: Networks
- 2052: Game Theory
- 2059: Decision Theory
- 2060: Contract Theory
- 2082: Social Choice Theory

MIT
- 14.15/6.207: Networks
- 14.126: Game Theory
- 14.147: Topics in Game Theory
- 14.281: Contract Economics
- 14.770: Introduction to Collective Choice and Political Economy
- 14.773: Political Economy: Institutions and Development