List of Approved Statistics Requirement Courses

All students are required to take PSY 221A and 221B in their first year. In addition, students are required to take a third course by the end of their second year. The following list includes courses that satisfy the third course requirement. Other courses will be considered on a petition basis.

PSYCHOLOGICAL & BRAIN SCIENCES
- **PSY 221C** • Multivariate Methods (Multivariate Regression)
- **PSY 221D** • Structural Equation Modeling
- **PSY 221E** • Statistical Analysis of fMRI Data (Spring, every other year)
- **PSY 265** • Computational Neuroscience (Fall or Spring, every other year, alternating with 221E)

COMMUNICATION
- **Comm 204C** • Advanced Topics in Research Methods and Statistical Analysis

ECOLOGY, EVOLUTION AND MARINE BIOLOGY
- **EEMB 247.** Quantitative methods in biology
- **EEMB 276.** Advanced biostatics
- **EEMB 276L.** Advanced biostatics lab

ECONOMICS
- **Econ 210B** • Game Theory
- **Econ 240A** • Introduction to Econometrics
- **Econ 240B** • Econometrics w/an Emphasis on Cross Section Analysis
- **Econ 240C** • Econometrics w/an Emphasis on Time Series and Forecasting
- **Econ 241A** • Econometrics (Elements of Probability and Statistics)
- **Econ 241B** • Econometrics (Regression Models)
- **Econ 241C** • Econometrics (Extensions of the General Linear Model)
- **Econ 242** • Advanced Game Theory
- **Econ 244** • Mathematical Economics
- **Econ 245A/B/C** • Econometric Theory

EDUCATION
- **Educ 214C** • Linear Models for Data Analysis
- **Educ 215B** • Psychometrics: Classical Test Theory
- **Educ 215C** • Psychometrics: Item Response Theory
- **Educ 215E** • Nonparametric Statistics
- **Educ 216A** • Advanced Multivariate Statistics
- **Educ 216B** • Factor Analysis
- **Educ 216C** • Hierarchical Linear Models
- **Educ 216F** • Structural Equation Models

GEOGRAPHY

- **Geog 210A** • Analytical Methods for Geographers I
- **Geog 210B** • Analytical Methods for Geographers II
- **Geog 210C** • Analytical Methods for Geographers III
- **Geog 224** • Methods of Regional Analysis
- **Geog 276** • Geographical Time Series Analysis
- **Geog 277** • Spatial Environmental Modeling
- **Geog 278** • Practice of Geostatistical Modeling of Spatial Data
- **Geog 279** • Seminar in Geostatistic: Advance Topics in Spatial Statistics
- **Geog 291** • Optimization Models for Geographic Problems

LINGUISTICS
- **Ling 202** • Advanced Research Methods and Statistics
- **Ling 204** • Statistical Methodology
- **Ling 210** • Computational Linguistics
- **Ling 218** • Corpus Linguistics

POLITICAL SCIENCE
- **PS 207** • Advanced Political Research Methods
- **PS 209** • Games and Models in Political Science

SOCIOLOGY
- **Soc 148MA/248MA** • Social Network Analysis
- **Soc 204A/B/C** • Topics in Advanced Data Analysis

STATISTICS AND APPLIED PROBABILITY-PSTAT
- **PSTAT 220 A/B/C** • Advanced Statistical Methods
- **PSTAT 225** • Linear and Nonlinear Mixed Effects Models
- **PSTAT 226** • Nonparametric Regression and Classification Methods
- **PSTAT 227** • Bootstrap and Resampling Methodology
- **PSTAT 274** • Time Series
- **PSTAT 275** • Survival Analysis