

Sampling of Outside Methods Courses

This document provides a sampling of method courses found in other departments. Although not a comprehensive list, these courses may be good starting points depending on your needs and interests.

- COE 502 [Introduction to Data Analysis](#)
Descriptive statistics, visual approaches, estimation, and inferential methods for univariate and bivariate educational research problems. Experience using statistical software.
Allow multiple enrollments: No **Primary course component:** Lecture
Repeatable for credit: No **Grading method:** Student Option
Offered by: Mary Lou Fulton Teachers College -- Educational Leadership & Innovation, Division
Pre-requisite: Graduate student (degree seeking or nondegree seeking) or Post-Baccalaureate Undergraduate
- COE 503 [Introduction to Qualitative Research](#)
Terminology, historical development, approaches (including ethnography, ethnomethodology, critical theory, grounded theory, and hermeneutics), and qualitative versus quantitative social sciences; methods of inquiry.
Allow multiple enrollments: No **Primary course component:** Lecture
Repeatable for credit: No **Grading method:** Student Option
Offered by: Mary Lou Fulton Teachers College -- Educational Leadership & Innovation, Division
Pre-requisite: Graduate student (degree seeking or nondegree seeking) or Post-Baccalaureate Undergraduate
- EDP 552 [Multiple Regression and Correlation Methods](#)
Educational applications of regression techniques. Quantitative and qualitative predictors, curvilinear trends, and interactions. Emphasizes analyzing data and interpreting results.
Allow multiple enrollments: No **Primary course component:** Lecture
Repeatable for credit: No **Grading method:** Student Option
Offered by: Mary Lou Fulton Teachers College -- Educational Leadership & Innovation, Division
Pre-requisite: Graduate student (degree seeking or nondegree seeking) or Undergraduate Postbaccalaureate student
- EDP 554 [Analysis-of-Variance Methods](#)
Educational applications of ANOVA techniques. Between- and within-subjects designs, multiple comparisons. Emphasizes using statistical software and interpreting results.
Allow multiple enrollments: No **Primary course component:** Lecture
Repeatable for credit: No **Grading method:** Student Option
Offered by: Mary Lou Fulton Teachers College -- Educational Leadership & Innovation, Division
Pre-requisite: Graduate student (degree seeking or nondegree seeking) or Undergraduate Postbaccalaureate student
- FAS 505 [Applied Regression Analysis](#)
Multiple linear regression topics relevant to social science data analysis. Computer applications.
Allow multiple enrollments: No **Primary course component:** Lecture
Repeatable for credit: No **Grading method:** Student Option
Offered by: College of Liberal Arts and Sciences -- Sanford School of Social and Family Dynamics
Pre-requisites: Graduate student (degree seeking or nondegree seeking); Credit is allowed for only FAS or SOC 505
- PSY 532 [Analysis of Multivariate Data](#)
Matrix algebra for multivariate procedures, component and factor analysis, canonical and discriminant analysis, classification, MANOVA, logistic regression, hierarchical linear model.
Allow multiple enrollments: No **Primary course component:** Lecture
Repeatable for credit: No **Grading method:** Student Option
Offered by: College of Liberal Arts and Sciences -- Department of Psychology
Prerequisite(s): degree- or nondegree-seeking graduate student
- STP 530 [Applied Regression Analysis](#)
Method of least squares, simple and multiple linear regression, polynomial regression, analysis of residuals, dummy variables, and model building.
Allow multiple enrollments: No **Primary course component:** Lecture
Repeatable for credit: No **Grading method:** Student Option
Offered by: The College of Liberal Arts and Sciences -- School of Mathematical and Statistical Sciences
Pre-requisites: Graduate student (degree seeking or nondegree seeking)