Research Course Options for Master and Doctoral Students

SLU Research courses
(Masters or doctoral students)

Fall courses
Psychology - Psych5080 Advanced Quantitative Research

Spring courses
Sociology -SOC 5600 Research Methods
Social work SWRK 5787 – Research Methods I, part of two course series
Nursing/MFT - Phenomenology (qualitative methdos course offered every other year in the spring), instructor: Lee Smith

Online
SLUCor - ORES 5100 Research Methods in Health and Medicine

Non-SLU Research courses

To take courses outside of SLU you need to go through the inter-university program and contact the faculty instructor at the other university directly to sign off on the form. It is actually pretty easy and most faculty at other universities have been open to our students. See:
https://www.slu.edu/registrar/register/inter-university-program.php

UMSL Research courses
(Masters students)
ED REM 6735 Statistical Analysis For Education Research: 3 semester hours
Prerequisites: Graduate Standing. Provides students with a fundamental intermediate understanding of quantitative methods and their relationship to social science research in education. This course is designed to provide statistical background to students who will pursue advanced degrees in education. Students will conduct lab data analysis based on the topics covered in the class and learn how to generate specific research questions and conduct basic statistical analysis.

(Doctoral students only)
ED REM 7771 Quantitative Research Methods I: 3 semester hours
Prerequisites: ED REM 6735. A second course in advanced Educational research methods sequence, with focus on multiple regression analysis and its applications to educational and psychological research.

ED REM 7772 Quantitative Research Methods II: 3 semester hours
Prerequisites: ED REM 7771 or consent of instructor. An advanced educational research methods course: multivariate analysis of variance, canonical correlation, discriminant function analysis, factor analysis, cluster analysis, advanced topics in multiple linear regression; and associated research design issues.

ED REM 7773 Quantitative Research Methods III: 3 semester hours
Prerequisites: ED REM 7772. An advanced educational research methods course using multiple linear regression models, path analysis, and structural equation modeling. Focus is on the theory, issues and application of these advanced data analysis techniques.

ED REM 7781 Qualitative Methods In Educational Research I: 3 semester hours
Prerequisites: ED REM 6750 or consent of instructor. An introductory qualitative research methods course in education to develop skill in forming research questions, writing field notes, and collecting, organizing, and analyzing a variety of data. The design issues of triangulation subjectivity, and trustworthiness are explored. Ethics and ethical issues in qualitative research are presented.

ED REM 7782 Qualitative Methods In Educational Research II: 3 semester hours
Prerequisites: ED REM 7781 or consent of instructor An advanced qualitative educational research methods course to address the issues of sampling strategies, observational and interview techniques, questionnaire construction, and data analysis. Requires access to a field setting to conduct a qualitative research study.

WashU Research courses
(Doctoral students only)

Research Designs and Methods (PSYCH5011)

This course provides graduate students with a broad-based exposure to conceptual and practical issues in planning, designing, executing and evaluating research in the behavioral sciences. Topics include Reliability and Validity, experimental design, quasi-experimental design, single-case research, among other topics. PREREQ: Psychology graduate students, OR by permission of the instructor, Psych 5066 and 5067 or equivalent.

Quantitative Methods I (PSYCH5066)

Introduction to the theoretical concepts underlying quantitative methods in psychology. Topics include set theory, probability theory including the basic probability density functions and their cumulative distributions, joint events and stochastic independence, sampling theory and sampling distributions (including the binomial, normal, t, chi-square and F distributions), parameter estimation, interval estimation, the t-test, hypothesis testing, power, and some nonparametric statistics. PREREQ: Introductory Statistics and Graduate standing.

*there is a Quantitative 2 offered in the spring following the fall version of this course above