# Education Courses

## Courses

**EDUC 199. Special Studies: [Topic]. 1-5 Credits.**
Repeatable. Recent topics include Exploring Careers in Education.

**EDUC 399. Special Studies: [Topic]. 1-5 Credits.**
Repeatable.

**EDUC 406. Practicum: [Topic]. 1-12 Credits.**
Repeatable. Recent topics include Peer Advising Experience.

**EDUC 407. Seminar: [Topic]. 1-5 Credits.**
Repeatable.

**EDUC 408. Workshop: [Topic]. 1-18 Credits.**
Repeatable.

**EDUC 410. Experimental Course: [Topic]. 1-5 Credits.**
Repeatable.

**EDUC 507. Seminar: [Topic]. 1-5 Credits.**
Repeatable.

**EDUC 508. Workshop: [Topic]. 1-18 Credits.**
Repeatable.

**EDUC 510. Experimental Course: [Topic]. 1-5 Credits.**
Repeatable.

**EDUC 605. Reading and Conference: [Topic]. 1-16 Credits.**
Repeatable.

**EDUC 606. Practicum: [Topic]. 1-16 Credits.**
Repeatable.

**EDUC 607. Seminar: [Topic]. 1-5 Credits.**
Repeatable. Recent topics include Advanced Professional Practices.

**EDUC 609. Terminal Project. 1-12 Credits.**
Repeatable.

**EDUC 610. Experimental Course: [Topic]. 1-5 Credits.**
Repeatable.

**EDUC 610L. Experimental Course: [Topic]. 1-4 Credits.**
Repeatable.

**EDUC 611. Survey of Educational Research Methods. 3 Credits.**
Survey of qualitative, quantitative, and single-subject research methods. Students develop competence in using published research to inform decision-making in various settings.

**EDUC 612. Social Science and Education Research Design. 3 Credits.**
Overview of qualitative, quantitative, and single-subject research methods. Emphasis on introducing students to considerations, issues, and techniques of social science research design.

**EDUC 614. Educational Statistics. 3 Credits.**
Foundations of statistical methods for research producers. Covers sampling methods, descriptive statistics, standard scores, distributions, estimation, statisticalsignificance testing, T tests, correlation, Pearson's chi-square test, power, effect size.
Prereq: EDUC 612.

**EDUC 615. Qualitative Data and Coding Methods. 4 Credits.**
Introduces basic methods of qualitative research, including data collection and thematic coding of interview and observation data.

**EDUC 616. Philosophical Foundations of Social Science. 4 Credits.**
This course examines the philosophical assumptions that underlie various research methodologies in the human and social sciences. It additionally introduces beginning doctoral students to the work of a variety of professors in the College of Education.

**EDUC 620. Program Evaluation I. 3 Credits.**
Focuses on small-scale evaluations, particularly in the field of education and human services. Students plan and design an evaluation.
Prereq: EDUC 640.

**EDUC 621. Program Evaluation II. 3 Credits.**
Implementation and completion of the evaluation design defined in Program Evaluation I.
Prereq: EDUC 620.

**EDUC 630. Qualitative Methodology I: Interpretivist Inquiry. 4 Credits.**
Examines the history of qualitative research in the study of human experience, emphasizing interpretive approaches to qualitative research that retain the regulative ideal of objectivity.

**EDUC 632. Qualitative Methodology II: Postcritical Inquiry. 4 Credits.**
Explores the epistemic limits of representing human experience, and the political and ethical implications for researchers beginning with Marx.
Pre- or coreq: EDUC 630.

**EDUC 634. Qualitative Methodology III: Posthumanist Inquiry. 4 Credits.**
Examines theoretical influences on qualitative research beginning with those associated with the linguistic turn, then critiquing the linguistic turn, and ending with the ontological turn.
Pre- or coreq: EDUC 630, EDUC 632.

**EDUC 636. Advanced Qualitative Methodology: New Materialisms. 4 Credits.**
Examines contemporary theoretical explorations prompted by "the new materialisms" and how questions of ontology and materiality produce considerations of agency, data, subjectivity, voice, and analysis.
Pre- or coreq: EDUC 630, EDUC 632, EDUC 634

**EDUC 640. Applied Statistical Design and Analysis. 3 Credits.**
Factor analysis of variance, planned comparisons, post hoc tests, trend analysis, effect size and strength of association measures, repeated measures designs.
Prereq: EDUC 614.

**EDUC 641. Applied Statistics in Education and Human Services I. 3 Credits.**
First course in a PhD and advanced master's degree three-course sequence intended to provide a toolkit of statistical concepts, methods and their implementation to producers of applied research in education and other social sciences. Course is organized around principles of research design. Sequence with EDUC 614, EDUC 640, EDUC 643.

**EDUC 642. Multiple Regression in Educational Research. 3 Credits.**
Application and use of multiple regression in educational research. Topics include bivariate regression, multiple regression with continuous and categorical independent variables.
Prereq: EDUC 640.

**EDUC 643. Applied Statistics in Education and Human Service II. 3 Credits.**
Second course in a PhD and advanced master's degree level three-course sequence intended to provide a toolkit of statistical concepts, methods and their implementation to producers of applied research in education and other social sciences. Course is organized around the principle that research design. Sequence with EDUC 614, EDUC 640, EDUC 641.
Prereq: EDUC 641.

**EDUC 644. Applied Multivariate Statistics. 3 Credits.**
Advanced statistical techniques including covariance analyses, discriminant function analysis, multivariate analysis of variance, principal components analysis, exploratory factor analysis.
Prereq: EDUC 640.

**EDUC 646. Advanced Research Design. 3 Credits.**
Provides a deeper understanding of educational research with an emphasis on principles of research designs and their use in applied research. Offered alternate years.
Prereq: EDUC 640.

**EDUC 650. Single-Subject Research Methods I. 3 Credits.**
Basic single-subject design strategies and general procedures as well as issues related to conducting and analyzing single-subject research in applied settings. Sequence with EDUC 652.
Prereq: EDUC 614.

**EDUC 652. Single-Subject Research Methods II. 3 Credits.**
Critical evaluation of single-subject and group-analysis research designs; elaboration on critical topics in single-subject methodology. Sequence with EDUC 650.
Prereq: EDUC 650.

**EDUC 654. Advanced Applied Behavior Analysis. 3 Credits.**
Doctoral-level seminar designed to provide skills, practice, and knowledge in advanced methods and theory of applied behavior analysis.
Prereq: EDUC 652.

**EDUC 656. Advanced Analysis of Single-Case Research. 3 Credits.**
Focuses on application of statistical and meta-analytic strategies for analyzing single-case research. Sequence with EDUC 650, EDUC 652, EDUC 654. Offered alternate years.
Prereq: EDUC 650. One course in structural equation modeling or hierarchical linear modeling is recommended preparation.