EDUCATION (ED)

ED 101 Orientation to the Teaching Profession
1 credit
A dual credit course open to high school students. Provides prospective teachers with experiences in the K-12 educational environment and an examination of current trends, school-based practices, and professional responsibilities of school personnel. Fulfills the 100 hr. College of Education public service requirement.

ED 204 (s) Special Topics
Credit arranged.

ED 250 CoEd Student Ambassador
1 credit, max 2
The College of Education Ambassadors are a select group of students representing all departments within our college and assist the college in recruitment and retention of highly qualified students, and promotional activities.

ED 299 (s) Directed Study
Credit arranged.

ED 403 (s) Workshop
Credit arranged.

ED 404 (s) Special Topics
Credit arranged.

ED 405 (s) Professional Development
Credit arranged.

ED 498 (s) Internship
Credit arranged.

ED 499 (s) Directed Study
Credit arranged.

ED 501 (s) Seminar
Credit arranged.

ED 502 (s) Directed Study
Credit arranged.

ED 503 (s) Workshop
Credit arranged.

ED 504 (s) Special Topics
Credit arranged.

ED 505 (s) Professional Development
Credit arranged.

ED 571 Introduction to Quantitative Research
3 credits
Overview of research techniques, emphasizing experimental, quasi-experimental, descriptive, analytical, single subject designs. Special emphasis on interpreting and critically evaluating research articles; planning, analyzing, and writing quantitative research studies. 
Prereq: Graduate standing.

ED 573 Action Research
3 credits
Introduction to action research as a form of systematic applied inquiry conducted by professionals to gain insight, develop reflective perspective, effect change, enhance environment, and improve practice, pedagogy, learner/participant outcomes, policies/procedures. Goals of course include: understanding the theoretical foundations of practical and critical action research, self-study, and teacher research; examining the impact of action research on professional knowledge/actions/environment; exploring processes for identifying area of focus, generating data, analyzing and interpreting data, and developing an action plan for change.

ED 574 Survey of Qualitative Research
3 credits
This course reviews the foundations of qualitative design, investigating the history, philosophy, key concepts and terms, and nature of qualitative research. Examples of different types of qualitative research and assessment issues will be discussed, specifically focusing on the main qualitative traditions (case study, phenomenology, ethnography, narrative, historical, and action research). Topics will include: conceptualizing research questions, reviewing the literature, selection of appropriate design and methods of data collection, positionality, logic and coherency of research procedures/methods; interpretation of findings, establishing quality and rigor; research writing and reading, Institutional Review Board policies with respect to human subjects; and ethical issues. Students will read and evaluate qualitative research, conduct components of qualitative research, and identify methodological elements and issues. 
Prereq: Permission.

ED 584 Univariate Quantitative Research in Education
3 credits
The overall goal of the course is to prepare students to apply quantitative research methodology in education. Topics include understanding applied experimental, quasi-experimental and behavioral designs, survey design, measurement and instrumentation, sampling, item analysis, reliability analysis, and validity assessment.
Prereq: ED 571.

ED 586 Advanced Planning and Design of Educational Research
3 credits
Prereq: ED 582 or ED 588, or Permission.

ED 587 Advanced Multivariate Quantitative Analysis in Education
3 credits
Analysis and application of multivariate quantitative research methods in education and social sciences. The goal of the course is to expose students to multivariate statistics and quantitative research approaches. Topics include multiple correlation/regression, discriminate analysis, exploratory and confirmatory factor analysis, multivariate analysis of variance (MANOVA), multivariate analysis of covariance (MANCOVA), canonical correlation analysis, cluster analysis, log linear model, path analysis and structural equation modeling.
Prereq: ED 584 or Permission.
ED 589 Theoretical Applications and Designs of Qualitative Research
3 credits
This course builds and expands on ED 574 Survey of Qualitative Research and examines qualitative research designs and the use of theory in qualitative research. The course will introduce ethnography, phenomenology, case study, narrative, historical and action research designs. Each design will be explored through four overarching theoretical lenses (organizational, economic, critical, and learning), allowing students to understand the role of theory in guiding and informing research design and methods. The aim of the course is to give students the tools to conceptualize their thesis or dissertation work.
Prereq: ED 574 or Permission.

ED 590 Data Analysis and Interpretation of Qualitative Research
3 credits
This course builds and expands on ED 589 Theoretical Applications and Design of Qualitative Research and is designed for graduate students who intend to conduct qualitative research. This course is an advanced seminar to assist in developing skills in data analysis and the presentation of qualitative research findings. It will focus on contemporary discourse among qualitative researchers concerning the analysis of qualitative data. Theoretical foundations learned in ED 574 and ED 589 will be revisited as participants examine the ways in which theory informs and guides analysis and interpretation. Assignments are designed to facilitate the interaction between data, analysis, writing, and the literature.
Prereq: ED 574 and ED 589.

ED 591 Indigenous and Decolonizing Research Methods
3 credits
In this course, students will explore the historic and current discourse in Indigenous and Decolonizing Research. From an interdisciplinary perspective, students will analyze knowledge production through histories of Indigenous persistence and resistance to colonial power. Course content will expose students to methodologies grounded in the lived experiences and histories of individuals and communities marginalized by the colonial legacy, and will seek to engage students in research which invigorates connections, struggles, and knowledges to reflect reciprocal benefit to communities beyond the academy.

ED 595 Survey Design for Social Science Research
3 credits
This course focuses on the design and development of the survey instrument. Topics include how to word questions, validation, development of appropriate scales, traditional and alternative modes of survey administration; impacts of non-response; the effect of question structure, wording and context of instrument items; and post-survey follow-up and data processing. Recommended Preparation: Foundations of research course at graduate level.

ED 598 (s) Internship
Credit arranged.

ED 599 (s) Non-thesis Master's Research
Credit arranged.

ED 600 Doctoral Research & Dissertation
Credit arranged.

ED 602 (s) Directed Study
Credit arranged.

ED 604 (s) Special Topics
Credit arranged.

ED 611 Doctoral Seminar I
1 credit
This seminar is intended to help facilitate a community among doctoral students and build an understanding of the processes and strategies necessary for success in the doctoral program. (Fall only)
Prereq: Enrollment to a doctoral program.

ED 612 Doctoral Seminar II
1 credit
The seminar is intended for those doctoral students who have completed all or most of their course work. The seminar will focus on preparation for the preliminary examination and advancement to candidacy. Preparation of the dissertation proposal will also be covered. (Spring only)
Prereq: Enrollment to a doctoral program.

ED 620 Grant Writing
3 credits
The reality in today's context is that organizations are resource challenged. Increasingly organizations are dependent on garnering external resources to be able to successful accomplish their missions. In this course students are guided from developing ideas and identifying potential funding sources to the submission of proposals as well as follow up techniques.

ED 628 Program Evaluation
3 credits
Schools, organizations, and community agencies are being increasingly held accountable for their respective programs. This course addresses how action research can be a powerful tool for empirically evaluating all aspects of a given program.
Prereq: ED 573.

ED 668 Writing for Publication
3 credits
Development of knowledge, skills, and potential of researchers and other writers desiring to prepare and publish manuscripts in education or other professional and trade journals; technical and theoretical aspects of writing for publication and the process of manuscript preparation, submission, and editing.
Prereq: Enrollment in a doctoral program in Education.

ED 680 Philosophical Foundations of Educational Research
3 credits
This doctoral level course involves learners in an examination of the philosophical foundations, epistemological assumptions, and methodological frameworks of educational and social science research. Given the current acknowledgement of the importance of perspective and point of view in inquiry, readings in gender, class, and ethnic identity will be included.
Prereq: Enrollment to a doctoral program.