Educational Research And Evaluation Method

Courses

**ED REM 3721 Psychoeducational Assessment and Evaluation: 3 semester hours**
Review of measurement concepts and use of psychoeducational assessment data gathered via interview, observation, norm-referenced, and curriculum-based assessment methods. Special emphasis on progress monitoring and data-based decision making.

**ED REM 6040 Educational Research for Teachers: 3 semester hours**
Prerequisites: TCH ED 6010 and TCH ED 6020. This course provides the basic knowledge and skills needed by educators to understand and engage in educational research. Educators will learn and use both analytic and practical tools for studying teaching, learning, and assessment in educational contexts, including their own classroom.

**ED REM 6497 Problems: 1-10 semester hours**
Prerequisite: At least one previous ED REM course and consent of course supervisor. Individual study on topics pertaining to educational measurement, evaluation, statistics and research design.

**ED REM 6707 Classroom Measurement And Evaluation: 3 semester hours**
Prerequisites: Graduate admission or consent of instructor. An introductory graduate course to classroom testing and evaluation. Topic areas include comparison of criterion-and norm-referenced theory and technique; classical test theory, reliability, validity, and associated descriptive statistics; derived and transformed scores; preparation of instructional objectives for use in developing the classroom test, performance evaluations, and portfolio rubrics; use of evaluation to assess student achievement and instructional effectiveness.

**ED REM 6709 Educational And Psychological Measurement: 3 semester hours**
Prerequisites: Graduate admission or consent of instructor. An introductory graduate course in testing and measurement theory; reliability, validity, and associated descriptive statistics; correlation and simple regression; derived and transformed scores; interpretation of test scores; measurement of aptitude, vocational interests, and personal-social adjustment.

**ED REM 6710 Educational Research Methods and Design: 3 semester hours**
Prerequisites: An introductory statistics course or an introductory research design course; or consent of instructor. Covers educational research methodology: comparison of various types of qualitative and quantitative educational research, threats to internal/external validity, sampling methods, data analyses, and components of research reports.

**ED REM 6716 Academic Assessment and Intervention: 3 semester hours**
Prerequisites: Graduate Standing. Provides instruction in measurement concepts, interpretation of cognitive ability tests, and use of norm-referenced and curriculum-based assessment techniques in developing academic interventions. Special attention is given to data-based decision making and the links among instruction, assessment, and intervention.

**ED REM 6718 Psychoeducational Assessment And Intervention: 3 semester hours**
Prerequisites: Grade of B or better in ED PSY 6530 or CNS ED 6050, or consent of instructor. Reviews measurement concepts and covers administration, scoring, interpretation, and reporting of individually administered tests of academic and cognitive abilities. Special attention is given to the link between assessment and intervention.

**ED REM 6719 Advanced Psychoeducational Assessment and Intervention: 3 semester hours**
Prerequisites: Grade of B or better in ED REM 6718 or consent of instructor. Instruction is provided in advanced and specialized assessment, diagnostic, and intervention techniques for individuals with intellectual disabilities, emotional or behavior disorders, and other low incidence disabilities experienced by children and youth.

**ED REM 6730 Educational Program Evaluation: 3 semester hours**
Prerequisites: ED REM 6710, ED REM 6750; or consent of instructor. Covers principles and procedures for developing and assessing the quality and effectiveness of programs, projects, and materials related to planned interventions and system changes in educational settings.

**ED REM 6732 Advanced Theory And Practice In Educational Program Evaluation: 3 semester hours**
Prerequisites: ED REM 6730 or consent of the instructor. Extension of the principles, attributes, and practice of program evaluation to contemporary problems and settings. Study will include the comparison of examples of the program evaluation process. Focus will be on adherence to the Program Evaluation Standards endorsed by leading professional research and evaluation associations.

**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.

**ED REM 6750 Advanced Research Design In Education: 3 semester hours**
Prerequisites: ED REM 6735 or consent of instructor. Course is designed to provide students with a thorough background in the fundamental principles of research design in education, and the knowledge and skills necessary to design and carry out studies appropriate to a wide variety of research problems. It focuses on tailoring the research design and methodology to most effectively address the problem or issue of concern, including qualitative, quantitative, and mixed-method designs. This is an experiential course designed around active discussion by students each week, and requires each student to develop a detailed research proposal for conducting a study to examine an appropriate educational research problem.

**ED REM 6990 Internship: 1-10 semester hours**
Prerequisite: consent of instructor. Closely supervised experience in a field setting under the direction of a graduate faculty member. An appropriate level of competence and evidence of growth in the professional role must be demonstrated by the intern. The internship will include planning, research, evaluation, and related professional activities.
ED REM 7712 Discourse Analysis In Education: 3 semester hours
Prerequisites: Graduate Standing. The role of language in social life is of paramount concern to educational researchers. The purpose of this course is to introduce students to theories and methods of discourse analysis. Students will become familiar with the methods used in conversation analysis, critical discourse analysis and mediated or multimodal discourse analysis. Topics include transcription theory and practice, the role of context in discourse analysis, the ethics of representation and the place of action in discourse analysis. Students will engage with the theories and methods for analyzing educational interactions such as small-group discussions, education documents, classroom scenes, in-depth interviews, and naturally occurring conversations.

ED REM 7740 Historical Research Methods in Education: 3 semester hours
Prerequisites: Doctoral Standing. Survey of the methodology of historical research in education and historical writing about educational issues. Specific topics will include the historiography of education; working with primary and secondary documents; oral history as method and documentation; quantitative approaches to history; constructing historical narratives; and the question of interpretation.

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.