

Educational Research And Evaluation Method

Courses

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 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 Development and Evaluation: 3 semester hours

Prerequisites: ED REM 6710 or ED REM 6750; or consent of instructor. This course covers principles and procedures for developing programs based on needs assessment, logic models, and research design. It includes assessing the quality and effectiveness of planned interventions and system change in educational settings.

ED REM 6732 Advanced Educational Program Development and Evaluation: 3 semester hours

Prerequisites: ED REM 6730 or consent of instructor. This course extends the principles, attributes, and practice of program evaluation to contemporary problems and settings. It focuses on grant writing, practical application of evaluation procedures, and data analysis as well as 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 7771 Quantitative Research Methods I: 3 semester hours

Prerequisites: ED REM 6735 and ED REM 6750 or consent of instructor. 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 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.