EER - EDUCATIONAL EVALUATION AND RESEARCH

EER 7610 Evaluation and Measurement Cr. 2-3

EER 7640 Fundamentals of Quantitative Research Cr. 3
Basic skills in educational research; nomenclature, problem, theory, hypothesis formulation; bibliographical and documentary techniques; retrieval systems; development of data-gathering instrumentation; computer orientation and research uses; collection and organization of data; manuscript development; report writing; techniques, methodologies for descriptive and experimental inquiry. Offered Every Term.

EER 7650 Computer Use in Research Cr. 3
Introduction to computer use in educational research with emphasis on using statistical packages (MIDAS and SPSS, BASIC programming language); writing statistical programs. Offered Every Term.
Prerequisite: EER 7630, with a minimum grade of C

EER 7670 Fundamentals of Qualitative Research Cr. 3
Fundamentals of epistemological issues, educational perspectives of qualitative research and research design. Readings in qualitative research. Conducting the case study, personal history, and cognitive study. Overview of methods for analyzing talk, text, and interaction. Offered Fall, Winter.
Prerequisite: EER 7870, with a minimum grade of C

EER 7780 Fundamentals of Ethnographic Research Cr. 3
Collecting, analyzing, and writing up findings from ethnographic data (participant-observation field notes, interviews, and artifacts); issues of rigor in naturalistic research in education. Offered Fall, Winter.
Prerequisite: EER 7870, with a minimum grade of C

EER 8700 Advanced Qualitative Evaluation: Theory and Practice Cr. 4
Major paradigms of qualitative evaluation, strategies of inquiry, methods of collecting and analyzing materials, the art of interpretation. Analysis of real data, including pattern coding, data displays, checklist matrices, transcription, explanation prediction within-case vs cross-case displays, ethical issues in evaluation. Computer use in qualitative evaluation. Offered Winter.
Prerequisite: EER 7870, with a minimum grade of C

EER 8710 Advanced Ethnographic Research Cr. 4
Use of fieldwork to learn group interview, video collection and analysis, ethnographic survey, narrative and poetic analysis; deepening the understandings about culturally-sensitive research, rigor, and the politics of representation. Offered Winter.
Prerequisite: EER 7880, with a minimum grade of C

EER 8720 Advanced Quantitative Program Evaluation Cr. 3
Educational and school program evaluation: alternative approaches; students propose theory-based designs and strategies. Offered Winter.

EER 8760 Advanced Measurement I Cr. 3
Prerequisite: EER 7610, with a minimum grade of C

EER 8770 Advanced Measurement II Cr. 4
Modern measurement theory. Item response theory, including one and three parameter models, detecting item bias, multi-dimensional scaling. Offered Winter.
Prerequisite: EER 8760, with a minimum grade of C

EER 8800 Variance and Covariance Analysis Cr. 4
Application of structural equation methods to applied educational psychology research. Model specification, estimation, and fit. Confirmatory factor analysis and correlation. Offered Yearly.
Prerequisite: EER 8820, with a minimum grade of C

EER 8840 Structural Equation Modeling Cr. 4
Confirmatory factor analysis and correlation. Offered Yearly.
Prerequisite: EER 8820, with a minimum grade of C

EER 8850 Nonparametric, Permutation, Exact, and Robust Methods Cr. 4
Application of nonparametric, permutation, exact and robust methods to social and behavioral science data. Techniques of estimation, location, and association for discrete and continuous data. Offered Fall, Winter.
Prerequisite: EER 7630, with a minimum grade of C; EER 8800, with a minimum grade of C

EER 8880 Monte Carlo Methods Cr. 1
FORTAN 77/90/95 applied to Monte Carlo Methods for the development of new statistics and procedures and the comparison of existing methodologies. Solving data analysis problems via simulation techniques. Offered Fall, Winter.
Prerequisite: EER 7630, with a minimum grade of C; EER 8800, with a minimum grade of C

EER 8900 Qualitative Design for School Research Cr. 3
Field Placement. Integration of theory with practice for conducting, analyzing, and reporting qualitative research or evaluation in the schools. Offered Fall.
Prerequisite: EER 8700, with a minimum grade of C; EER 8710, with a minimum grade of C

EER 8910 Practicum in Evaluation Cr. 2-6
Qualitative methods for action research in schools, including interviewing, field observation, life histories, visual records, and document analysis. Offered Every Term.
Prerequisite: EER 8700, with a minimum grade of C; EER 8710, with a minimum grade of C

Restriction(s): Enrollment is limited to students with a major in Education Evaluation & Research, enrollment is limited to Graduate level students.
EER 8992 Research and Experimental Design Cr. 3-4
Design of empirical research for students possessing basic knowledge of statistics. Topics include hypothesis construction, sampling theory, experimental and quasi-experimental designs, selection of statistical procedure, and construction of data gathering instruments. Offered Fall, Winter.
Prerequisite: EER 7630, with a minimum grade of C