REF Course Descriptions

REF 550: Test Item Development (3 hours)--Includes procedures for mastering test item development techniques through active participation.

REF 559: British Studies: Research in British Education (3 hours)--To provide students with supervised research study on British education that relates to their own interests or educational specialty.

REF 601: Educational Research: Interpretation and Applications (3 hours)--An orientation to the information, skills, and competencies necessary to understanding research in education, along with a rudimentary introduction to conducting action research.

REF 602: Introduction to Educational Statistics (3 hours)--Basic concepts and computations in descriptive statistics. Introduction to sampling procedures and inferential processes in educational research.

REF 604: Foundations in American Education (3 hours)--A brief survey of the philosophical, psychological, sociological, and historical foundations of American education.

REF 605: Cultural Influences on American Education and Society (3 hours)--A study of European educational systems.

REF 607: Developing a Student-Centered Curriculum (3 hours)--A comprehensive study of planning and procedures for developing, structuring, implementing, and evaluating school curricula.

REF 620: Foundations of Instructional Technology (3 hours)--Survey of the historical aspects of instructional media. Application of research in the development of technology relating to libraries, classrooms, industry, and instructional settings.

REF 632: Measuring Student Success (3 hours)--Emphasizes selection and construction of assessment instruments and interpretation of results.

REF 644: Instructional Development I (3 hours)--Permission of the instructor. Survey of various instructional development models for the development, revision, or revitalization of educational programs.

REF 680: Direction and Supervision of Student Teaching (3 hours)--Designed to guide supervising teachers in orienting and involving student teachers.

REF 692: Special Problems (1-3 hours)

REF 698: Thesis. (1-6 hours for a total of 6 hours)--Credit deferred until thesis is completed.
REF 709: Social Foundations of Education (3 hours)--A study of contrasting motivations and values of various cultural groups and their implications for education.

REF 712: Computer Applications in Educational Research (3 hours)--Prerequisites: REF 761, 762. Skills development course in computer analysis of behavioral science data, systems analysis, and personnel accounting procedures.

REF 718: Practicum in Educational Research (3 hours)--Prerequisites: REF 761, 762. Application of appropriate research models, structure of research reports, critique of published research and of student’s research problem.

REF 720: Measurement in Educational Research (3 hours)--Prerequisites: REF 761, 762. Survey of the theory of measurement including true score theory, reliability, validity, item analysis, and item-selection techniques.

REF 742: Research in Instructional Systems Technology (3 hours)--Research in problems of formulating objectives, analyzing audiences, using media, and evaluating education outcomes.

REF 761: Experimental Design (3 hours)--Prerequisite: REF 602 or equivalent. Theoretical distributions in experimental and quasi-experimental design. Analysis of variance, repeated measures, follow-up procedures.

REF 762: Advanced Regression Analysis (3 hours)--Prerequisite: REF 761. Correlation and regression theory. Techniques associated with bivariate, partial, and multiple correlation and applied multiple linear regression.

REF 770: Evaluation Design and Methodology (3 hours)--The principles of evaluation. Involvement in a practical evaluation problem employing measurement techniques and statistical methodology.

REF 791: Field Problems in Educational Research (1-12 hours)--Prerequisites: Approval of major professor and Educational Research Staff.

REF 792: Special Problems in Educational Research I, II, III (1-3 hours each)--Prerequisites: vary. Must have approval of major professor and educational research staff. Application of specific research procedures in the development of skills in various types of research.

REF 794: Field Problems (3 hours)

REF 798: Specialist Thesis (3 hours)--Selection and development of a practical educational research problem for the specialist’s degree. A scholarly research paper is required.

REF 810: Design and Methodology in Institutional Research (3 hours)--Prerequisites: REF 601, 761, 762. Practical application of institutional research design and methodology emphasizing computer utilization and field work.
REF 816: History of Public Education in the United States (3 hours)--A critical study of the evolution of public education with emphasis on critical issues.

REF 818: Comparative Philosophies of Education (3 hours)--A critical examination of theoretical concepts of leading modern philosophers and their implications for education.

REF 820: Comparative Education (3 hours)--Survey of educational patterns of selected countries.

REF 824: Advanced Experimental Design (3 hours)--Prerequisites: REF 761, REF 762, recommended. Experimental and quasi-experimental designs in educational research. Emphasis upon utilization of design principle and appropriate statistical treatment.

REF 830: Multivariate Analysis in Educational Research (3 hours)--Prerequisites: REF 761, 762. Theory and application of multiple regression and discriminant analysis, canonical correlation, multivariate analysis of variance and covariance.

REF 889: The Dissertation Process (3 hours)--An examination of the process of committee selection, topic selection, research, and writing of the dissertation, including study of APA format and format of the pre-proposal, proposal, and final dissertation.

REF 893: Advanced Educational Research (3 hours)--Prerequisites: REF 761, 762. Seminar in types and problems of educational research, observation and data collection methods, and standards of reporting educational research.

REF 898: Dissertation