

Educational Foundations & Research

EDFR 4990/G Special Topics in Education 3 units

Prerequisite: consent of department and major professor. Topic will vary from semester to semester. This course may be repeated once for credit.

EDFR 6090 Independent Research

Educational Foundations 1 unit min/3 units max (EDFR 6090 and EDGC 6090 are cross-listed) Prerequisites: consent of department and major professor. Independent research under the supervision of a graduate faculty member. The course may be repeated but total credit may not exceed six semester hours. Section number will correspond with credit to be earned.

EDFR 6400 History of American Education 3 units

The historical evolution of educational thought and practice in the United States from the colonial period to the present with attention given to significant educational movements and European influences.

EDFR 6420 Philosophy of American Educ 3 units

A study of trends in the philosophy of education with emphasis upon American education.

EDFR 6430 Psychological Found Education 3 units

Application of principles of human growth and development to education.

EDFR 6432 Analysis Classroom Learning 3 units

Application of learning principles and related research to classroom practice.

EDFR 6440 Socio-Cult Foundations Educ 3 units

An examination of the social factors affecting learning and education as well as the changing relationship between the schools and other societal institutions. The course is also designed to develop an understanding and an appreciation of the broader social forces that play a major role in current issues and concerns in education.

EDFR 6500 Contemporary Urban Education 3 units

An understanding of the urbanization process in America and its effect upon education. Current problems that relate to education in metropolitan areas will be identified and analyzed.

EDFR 6620 Educational Meas & Evaluation 3 units

Introduction to concepts important to measurement and evaluation in education. Discussion of types of informal and formal assessment; the purpose of assessment; the development and use of valid reliable objective assessment instruments including paper-and-pencil tests and performance assessment; grading; the selection of standardized tests and the interpretation of test scores; and the use of assessment information.

EDFR 6675 Advanced Educ Prog Evaluation 3 units

(EDFR 6675 and EDCI 6675 are cross-listed) Prerequisites EDCI 6670 and EDFR 6710 and 6711 or consent of department. This course is designed to provide students with the research and evaluation skills required to implement various program evaluation models. It is also intended to provide the skills necessary for effectively using the standards of the National Joint Committee on Standards for Program Evaluation as required by state certification guidelines.

EDFR 6700 Educational Research 3 units

This course is an introductory research course for educators. It is designed to provide students with the basic information needed to understand the process of systematically researching a problem and to enable students to evaluate and interpret the research of others.

EDFR 6705 Quant & Qual Research Design 3 units

Prerequisites: EDFR 6700 and admission to the M.A. program or a Ph.D. program in the College of Education or consent of department. Graduate students prepare to become researchers in this course. Epistemology and differences in research paradigms are reviewed. The designs available to researchers in quantitative and qualitative traditions are detailed. Introduction to the process of developing research proposals.

EDFR 6710 Descriptive Statistics 3 units

Corequisite or Prerequisite: EDFR 6705 or consent of department. An introduction to basic statistics for students who plan to conduct research using empirical methods. Topics include descriptive statistics; probability in sampling; hypothesis testing inferential statistics; and non-parametric statistics.

EDFR 6715 Intro to Qual Resrch Methods 3 units

Prerequisite: EDFR 6705 or consent of department. This course is designed to introduce graduate students to the nature and uses of qualitative research methods in education, with particular emphasis on methods of data collection. Students will be expected to engage in field research experiences.

EDFR 6720 Appl Regr & Analy Covariance 3 units

Prerequisites: EDFR 6700 and 6710 or consent of department. Applied knowledge of advanced statistical methods. Topics include multiple regression, analysis of variance following multiple comparison tests; analysis of covariance; and log linear models.

EDFR 6721 Qualitative Research Data Anly 3 units

Prerequisites: EDFR 6705 and 6715 or consent of department. This course focuses on methods of data analysis, presentation of results, issues of validity, and the role of the researcher in qualitative research.

EDFR 6725 Multivariate Statistics 3 units

Prerequisite: EDFR 6700, 6710, and 6720, or consent of department. Sophisticated multivariate methods of analyzing complex relationships among many variables. Topics include matrix algebra; multivariate analysis of variance; multivariate analysis of covariance; discriminant function analysis; factor analysis; cluster analysis; and path analysis.

EDFR 6726 Adv Educ Research Models 3 units

Prerequisite: EDFR 6725. The course presents three advanced models employed in contemporary educational research: latent trait measurement generalizability theory and confirmatory covariance structure analysis. The purposes of these models are presented and use of computer software that implements the methods is explained.

EDFR 6728 Quasi-Exp Designs in Res/Eval 3 units

Prerequisite: EDFR 6720 or consent of department. This course reviews theories of causation and validity in quantitative social science methodology. Varieties of comparison designs and post-hoc analyses will be presented. Appropriate statistical analyses will be discussed.

EDFR 6730 Research Design in Education 3 units

Prerequisite: EDFR 6720 and successful completion of the doctoral qualifying examination, or consent of department. This course presents the purpose and principles of quantitative research design. Discussion emphasizes experimental, quasi-experimental, and nonexperimental designs. Appropriate statistical analyses for these designs are presented.

EDFR 6731 Qualitative Research Design 3 units

Prerequisites: EDFR 6705, EDFR 6715, and EDFR 6721, or consent of department. This course addresses the process of qualitative research design, the various traditions within qualitative research, selected methodological issues, and writing up research results.

EDFR 6740 Psychomtrc Thry Educ Instrumnt 3 units

Prerequisites: EDFR 6720 and Educational Leadership and Foundations 6620 or consent of department. This course presents the theory and practice in the construction of educational assessment instruments. Psychometric theory will be introduced and students are expected to demonstrate all phases of the test development process for norm- and criterion-referenced measurement approaches. Appropriate statistical procedures for psychometric analysis will be presented.

EDFR 6750 Comp Applic in Educ 3 units

This course will provide an overview of some of the current uses of microcomputers in education and an evaluation of educational software. Applications in the areas of administration, instruction, and pupil personnel services will be examined.

EDFR 6990 Independent Study

Education 1 unit min/3 units max

Prerequisites: consent of department and major professor. Independent study under the direction of a graduate faculty member. This course may be repeated but the total credit may not exceed six semester hours. Section number will correspond with credit to be earned.

EDFR 6991 Practicum in Educ Evaluation 3 units

(EDFR 6991 and EDCI 6991 are cross listed). Prerequisite: EDCI 6675 EDFR 6675 or consent of department. This course is intended to provide students with the opportunity to practice in an actual school setting the program evaluation skills learned in previous courses. The practicum will be conducted under the supervision of a graduate faculty member who is an experienced evaluator.

EDFR 6993 Spec Topics in

Educ Research 1 unit min/3 units max

Prerequisite: consent of department. Topic will vary from semester to semester. Course may be repeated for a maximum of nine semester hours credit. Section number will correspond with credit to be earned.

EDFR 6995 Doctoral Seminar 1 unit

Prerequisite: open only to doctoral students in residence. Each doctoral student is expected to attend seminar during each semester of required residence. The seminar will consider topics of interest from the major areas of professional education. May be repeated for credit.

EDFR 7000 Thesis Research 1 unit min/9 units max

To be repeated for credit until thesis is accepted. Section number will correspond with credit to be earned.

EDFR 7040 Examination or Thesis Only 0 unit

No credit. Open to students in a thesis program who have only (other than application for degree) the final typing and acceptance by the Graduate School of their thesis or dissertation or to students in a non-thesis program who have only (other than application for degree) to pass the final examination to complete graduation requirements.

EDFR 7050 Dissertation Research 1 unit min/9 units max

Prerequisite: approval by the candidate's graduate committee. To be repeated for credit until the dissertation is accepted. Section number will correspond with credit to be earned.