

# EDUR Educational Research

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## **EDUR 3130 Introduction to Research Methods in Education** **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an undergraduate introductory course in educational research. Research designs, methods and applications of research specific to investigations while working in schools will be explored. Practical informal and formal data collection approaches are assigned to illustrate techniques teachers use when compiling data to inform their practice.

## **EDUR 7090 Selected Topics in Educational Research** **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Readings and research under the direction of a member of the educational research faculty whose interests coincide with those of the student.

**Prerequisite(s):** Permission of Instructor.

## **EDUR 7130 Educational Research** **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A comprehensive overview of topics related to research as it is applied to educational settings. Emphasis is placed upon methods of quantitative and qualitative research, especially in regard to applied and basic research in education.

**Cross Listing(s):** FRER 7130.

## **EDUR 7140 Action Research in Elementary Settings** **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is a graduate-level survey of action research methods with an emphasis on fundamental comprehension of educational research for ready application and transfer to elementary education settings.

## **EDUR 7999 Thesis/Research Project** **1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Requires completion of an independent research project on topic approved by faculty advisor/committee.

**Prerequisite(s):** Permission of instructor.

## **EDUR 8131 Educational Statistics I** **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Topics covered in this course include central tendency, variability, distributions, correlation, significance testing, t-tests, linear regression and chi-square analysis. Emphasis is placed on application of statistics in educational research situations. Prerequisite: EDUR 7130 or equivalent or permission of instructor.

## **EDUR 8132 Educational Statistics II** **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is an advanced statistics in education course that extends knowledge of educational research situations and statistical procedures beyond EDUR 8131. Emphasis is placed on more complex analysis of variance procedures (e.g., repeated measures, analysis of covariance), multiple regression analysis and multiple dependent variable techniques (e.g., canonical correlation) as applicable to current educational research problems. Prerequisite(s): Minimum grade of "B" in EDUR 8131.

## **EDUR 8231 Applied Qualitative Research Methods** **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will provide practical experience applying qualitative research methods in a variety of settings. Topics addressed in the course include selecting participants, conducting observations, creating descriptive field notes, interviewing techniques, analyzing qualitative data, and writing qualitative reports.

**Prerequisite(s):** A minimum grade of "C" in EDUR 7130 .

## **EDUR 8331 Applied Measurement** **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will provide an introduction to concepts and practices in measurement and survey research. Practical applications of measurement – such as interpreting standardized test scores, constructing and administering tests and questionnaires, and producing evidence for validity and reliability – will be included.

**Prerequisite(s):** A minimum grade of "C" in EDUR 7130 and EDUR 8131.

## **EDUR 8434 Field-Based Educational Research** **3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Designed primarily to assist Ed. S. level students in developing a sound research proposal for the conduct of an independent research project required as part of their Ed.S. program. Prerequisite(s): Minimum grade of "C" in EDUR 8131 and submission of a signed topic approval form.

## **EDUR 8890 Directed Individual Study** **1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Readings and research under the direction of a member of the educational research faculty whose interests coincide with those of the student.

## **EDUR 9131 Doctoral Research Methods** **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The purpose of this course is for doctoral-level students to gain a firm foundation in educational research prior to enrollment in the more specialized courses in quantitative methods. Students engage in an applied research project that updates their understanding of research procedures (hypothesis generation, sampling theory, instrument construction, measurement concepts and descriptive and inferential statistics). Emphasis is on the "hands-on" application of advanced inquiry skills.

**Prerequisite(s):** Minimum grade of "C" in EDUR 7130 and EDUR 8131.

## **EDUR 9231 Qualitative Research in Education** **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines a broad survey of major styles of qualitative/ descriptive research, as well as attention to the major field work techniques and problems associated with conducting qualitative research.

**Prerequisite(s):** Minimum grade of "C" in EDUR 7130.

## **EDUR 9232 Advanced Qualitative Research** **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An advanced graduate level course in qualitative data analysis for educational research which includes an in-depth treatment of the analytical approaches for each of the major traditions in qualitative research as well as the technologies used to assist in analysis.

**Prerequisite(s):** Minimum grade of "B" in EDUR 9231.