

# RESEARCH AND EVALUATION (RESEV)

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*Any experimental courses offered by RESEV can be found at:*

registrar.iastate.edu/faculty-staff/courses/explisting/ (<http://www.registrar.iastate.edu/faculty-staff/courses/explisting/>)

**Courses primarily for graduate students, open to qualified undergraduates:**

## **RESEV 550: Introduction to Educational Research**

(3-0) Cr. 3. F.S.SS.

Understanding the nature of quantitative and qualitative research; reviewing the literature; developing research problems and questions; research designs; data collection and analysis issues; evaluating research studies.

## **RESEV 552: Basic Educational Statistics**

(3-0) Cr. 3. F.

Statistical concepts and procedures for analyzing educational data; descriptive statistics, correlation, t tests, and chi square with computer applications.

## **RESEV 553: Intermediate Educational Statistics**

(3-0) Cr. 3.

*Prereq: RESEV 552 or STAT 401 or STAT 587*

A continuation of statistical concepts and procedures for analyzing educational data, using multiple regression and logistic regression.

## **RESEV 554: Intermediate Research Methods**

(3-0) Cr. 3. F.SS.

*Prereq: RESEV 553 or STAT 404*

Intermediate quantitative research methodology in preparation for carrying out thesis and dissertation research, with an emphasis on the estimation of causal effects using observational data.

## **RESEV 570: Surveys in Educational Research**

(3-0) Cr. 3. S.

*Prereq: RESEV 552 or equivalent*

Examination of survey design and administration in educational research. Designing surveys; developing, evaluating, and asking survey questions; survey sampling; measuring survey reliability and validity; administering mail and web surveys; decreasing survey nonresponse; conducting post-collection survey data processing; conducting survey research with integrity.

## **RESEV 580: Introduction to Qualitative Research Methodology**

(3-0) Cr. 3.

Qualitative research in the human sciences, emphasizing education; principles of qualitative inquiry, including theoretical foundations, research design, and fieldwork.

## **RESEV 590: Special Topics**

Cr. 1-3. Repeatable. F.S.SS.

*Prereq: Graduate standing*

Guided reading and in research and evaluation study on special topic.

## **RESEV 591: Supervised Field Experience**

Cr. 2-4. Repeatable.

*Prereq: RESEV 553 or RESEV 680*

Supervised on the job field experience.

## **RESEV 593: Workshop**

Cr. 1-3. Repeatable. F.S.SS.

*Prereq: Graduate standing*

Intensive, concentrated exposure to a special educational research or evaluation problem.

## **RESEV 597: Program Assessment and Evaluation**

(3-0) Cr. 3. S.

*Prereq: RESEV 550*

Evaluation models and professional standards. Techniques of evaluating educational programs. Emphasis on both theory and practical applications.

**Courses for graduate students:**

## **RESEV 601: Foundations of Educational Inquiry**

(3-0) Cr. 3. F.

*Prereq: Admission to a doctoral program.*

Required course for all School of Education PhD students that introduces students into the community of educational scholars with a focus on: 1) the history of education as an academic field of study; 2) the philosophical underpinnings of social scientific and educational inquiry; and 3) the contemporary methodological landscape of the field of education.

## **RESEV 603: Foundations of Qualitative Inquiry in Education**

Cr. 3. S.

*Prereq: RESEV 601*

Focus on the nature of qualitative research, including the ways in which knowledge is produced through qualitative methodologies, the theoretical and epistemological underpinnings of qualitative research, the importance of theoretical and/or conceptual frameworks in qualitative research, and the various methodological approaches to qualitative research.

**RESEV 615: Current Topics in Research and Evaluation**

Cr. 1-3. Repeatable.

**RESEV 620: College Access in Policy, Practice, and Research**

(4-0) Cr. 1-3. SS.

Exploration of the plurality of frameworks used to conceptualize college access as a social problem (for research, policy, and practice).  
Development of application of understandings of college access frameworks to policy, practice, and research.

**RESEV 680: Critical Qualitative Research**

(3-0) Cr. 3. S.

*Prereq: one course in qualitative research*

Feminist, indigenous, critical, queer, and other perspectives are used to raise important questions about qualitative research and help us rethink dilemmas of voice, appropriation, collaboration, and difference, and consider ethical and political issues that arise when engaging in research. Readings and assignments will concentrate on reciprocity, reflexivity, decolonization of research methods, and the necessity of engaging in culturally responsive and ethically informed research, particularly when working with colonized or marginalized communities, and when we aim to produce knowledge in the service of social justice and social change.

**RESEV 681: Analytical Approaches in Qualitative Inquiry**

(3-0) Cr. 3. F.

*Prereq: RESEV 580 or equivalent*

Conceptions of data and analysis in qualitative methodologies; focus on applied topics in qualitative data analysis, such as narrative analysis, ethnographic analysis, life history analysis, postmodern analyses, discourse analysis, arts-based analytical strategies, constructing data; combination format of reading and discussion seminars and classroom workshops focusing on individual research projects (not for thesis or dissertation).

**RESEV 690: Advanced Special Topics**

Cr. 1-3. Repeatable.

*Prereq: Graduate standing*

Guided reading and/or study on special topics of an advanced nature.

**RESEV 699: Research**

Cr. arr. Repeatable. F.S.SS.