

RESEARCH AND PSYCHOLOGY (EDUC-R&P)

Courses

EDUC-R&P 5502 Advanced Educational Psychology Credits: 3

Critical examination of the contributions of psychological principles and findings to the field of education.

EDUC-R&P 5505 Statistical Methods I Credits: 3

Non-theoretical approach to statistical procedure, including introduction to simple analysis of variance.

EDUC-R&P 5508 Principles And Methods Of Research Credits: 3

Introduction to the analysis of research literature including types of research, methodology, design and data analysis.

EDUC-R&P 5510 Child Behavior And Development Credits: 3

Growth, maturation, and learning processes in children.

EDUC-R&P 5512 Adolescent Development and the School Credits: 3

An overview of development from preadolescence to adulthood, focusing on major theories and aspects of development, contemporary critical issues of the transitions from childhood to adolescence and into adulthood, and the role of professional educators in facilitating positive development .

EDUC-R&P 5513 Advanced Developmental Science Across the Lifespan Credits: 3

This course introduces students to the theories and research of biological, cognitive, social and personality development across the lifespan, within the layers of context of people's lives. Special attention is given to the role in development of social class, gender, ethnicity and culture.

EDUC-R&P 5522 Principles Of Testing Credits: 3

Measurement theory, uses and limitation of assessment procedure.

EDUC-R&P 5555 Statistical Methods II Credits: 3

Non-theoretical approach to statistical procedure, including introduction to factorial ANOVA and multiple regression.

Prerequisites: EDUC-R&P 5505.

EDUC-R&P 5564 Instructional Design Credits: 3

Overview of learning theories and pedagogical models as related to the principles and methods of instructional design. Emphasis on the planning, design, implementation and evaluation of instructional systems including focus on technology integration.

EDUC-R&P 5575 Internship Credits: 3-16

Applied experiences in a planned, supervised program in research or educational psychology.

EDUC-R&P 5589 Special Topics In Education Credits: 1-6

A course designed to deal with a topic in educational research or educational psychology which is not available in the regular course offerings. Topics, instructors, and prerequisites to be listed on the semester bulletin.

EDUC-R&P 5589AD Special Topics in Education Credits: 1-6

EDUC-R&P 5589AT Special Topics in Education Credits: 1-6

EDUC-R&P 5589CH Special Topics in Education Credits: 1-6

Special Topics in Education

EDUC-R&P 5589CP Special Topics In Education Credits: 1-6

EDUC-R&P 5589DB Special Topics In Education Credits: 1-6

A course designed to deal with a topic in educational research or educational psychology which is not available in the regular course offerings. Topics, instructors, and prerequisites to be listed on the semester bulletin.

EDUC-R&P 5589HL Special Topics in Education Credits: 1-6

EDUC-R&P 5589IS Special Topics in Education Credits: 1-6

EDUC-R&P 5589LP Special Topics in Education Credits: 1-6

EDUC-R&P 5589PE Special Topics In Education Credits: 1-6

EDUC-R&P 5589PR Special Topics In Education Credits: 1-6

EDUC-R&P 5589SC Special Topics in Education Credits: 1-6

EDUC-R&P 5589SE Special Topics In Education Credits: 1-6

EDUC-R&P 5590 Individual Studies Credits: 1-6

Review of the research and trends relative to selected problems in educational research or psychology.

EDUC-R&P 5605 Quantitative Analysis I: Regression And Analysis Of Variance Credits: 3

This graduate level statistics course for students in education and the behavioral sciences provides a strong conceptual understanding of two major statistical procedures within the context of the general linear model: Multiple regression and numerous analysis of variance (ANOVA) models. Students will learn to select appropriate statistical software, and report the results of their analyses in the format of the American Psychological Association.

Prerequisites: EDUC-R&P 5505 and EDUC-R&P 5508.

EDUC-R&P 5606 Quantitative Analysis II : Multivariate Data Analysis Credits: 3

This graduate level statistics course for students in the behavioral sciences and education provides a strong conceptual understanding of advanced topics in regression (interaction effects, logistic regression, path analysis) and various multivariate techniques (MANOVA, canonical correlation, factor analysis). Students will complete a series of data based projects that allow them to demonstrate their skills in analysis, reporting, and interpretation of findings.

Prerequisites: EDUC-R&P 5605 (or PSYCH 5516) and EDUC-R&P 5508.

EDUC-R&P 5608 Introduction To Graduate Research Credits: 3

This course provides an introduction to qualitative and quantitative research methods. It is designed for students beginning their study in a doctoral program.

Prerequisites: EDUC-R&P 5508 and doctoral student status.

EDUC-R&P 5609 Development and Evaluation of Assessment Tools Credits: 3

This survey course examines test theories, construction, and measurement theories. Within the context of a variety of conceptual frameworks and examples, students become knowledgeable about the various purposes, approaches, and computer software tools for measurement.

Prerequisites: EDUC-R&P 5606 or PSYCH 5517.

EDUC-R&P 5611 Structural Equation Modeling Credits: 3

Students will learn core techniques in structural equation modeling, including: path analysis, confirmatory factor analysis, structural regression models; and be introduced to advanced topics such as multi-group SEM and latent growth models. There will be multiple lab sessions using appropriate computer applications.

Prerequisites: EDUC-R&P 5606 (or PSYCH 5517) and EDUC-R&P 5609 (or PSYCH 5538).

EDUC-R&P 5612 Applied Quantitative Research in Education Credits: 3

This class provides an in-depth examination of experimental and non-experimental quantitative research techniques, with a focus on their application in educational research. Students develop a proposal for a quantitative research study, including review of literature, development of research questions and hypotheses; and selection of appropriate research design, data collection techniques, and statistical analyses.

Prerequisites: One semester of statistics at the doctoral level.

EDUC-R&P 5613 Hierarchical Linear Models Credits: 3

Students will be introduced to hierarchical linear modeling techniques. Foundational topics include the rationale for using hierarchical linear models, issues related to assumptions and data screening, and a dissection of the components of a two-level organizational effects hierarchical linear model. Special topics to be discussed include growth modeling, three-level models, dyadic models, and models with categorical outcome variables (i.e., hierarchical generalized linear models). Multiple class sessions will be devoted toward use of software to build and analyze these models.

Prerequisites: EDUC-R&P 5606 and EDUC-R&P 5609.

EDUC-R&P 5615 Qualitative Research Theory & Design Educational Setting. Part 1 Credits: 3

Students will be introduced to qualitative research theory and design.

Prerequisites: EDUC-R&P 5505 and EDUC-R&P 5508.

EDUC-R&P 5616 Qual Data Collection And Analysis In Educational Settings. Part 2 Credits: 3

Students will gain experience in qualitative data collection and analysis.

Prerequisites: EDUC-R&P 5615.

EDUC-R&P 5625 Program Evaluation For Education & Social Credits: 3

Program evaluation is an applied research area that focuses on providing summative and formative data about the progress of an organization or program. This doctoral seminar will focus on learning to identify the goals, objectives and assumptions inherent in a program, and on designing a methodology to assess progress towards the goals. All students will develop a comprehensive evaluation plan for a program of their choice.

Prerequisites: EDUC-R&P 5505, EDUC-R&P 5522, and EDUC-R&P 5508 or EDUC-R&P 5608.

EDUC-R&P 5639 Educational Psychology: Focus on Teaching in Higher Education Credits: 2-3

An introduction to theories and principles from educational psychology as they relate to learning, motivation, assessment, and instruction.

Prerequisites: Doctoral Student Status.

EDUC-R&P 5640 Apprenticeship And Conference In College Training Credits: 1-3

Apprenticeship experience in preparing, conducting, and evaluating college teaching under the direction of and in conference with supervising professors.

Prerequisites: EDUC-R&P 5639.

EDUC-R&P 5690 Special Problems Credits: 1-6

Individual studies; thesis exploration, special reading.

EDUC-R&P 5698 Dissertation In Educational Research & Psychology Credits: 1-16

Dissertation In Educational Research Psychology