

COLLEGE OF EDUCATION RESEARCH COURSES

Overview of Research / Foundations of Research / Survey Courses

CoE COURSE	CROSS LIST	TITLE	DESCRIPTION	INSTRUCTOR	PRE-REQS
ADTED 507 (Online)		Research and Evaluation in Adult Education	Guided discussion and reading in selected research and evaluation methods and trends as applied in adult education settings.	(Online through World Campus)	ADTED 460
ADTED 532 (Online)		Research and Evaluation in Distance Education	Study of previous, current, and needed research strategies, and issues concerning evaluation in distance education.	(Online through World Campus)	none
ADTED 580		Adult Education Research Seminar	A seminar dealing with specific research topics and methods in adult education. Open to advanced students in adult education.	(usually offered at Harrisburg campus)	ADTED 507; EDPSY 400; EDPSY 475
ADTED 588 (Online)		Professional Seminar: Research and Adult Education	Review of research in adult education, current and past, with analysis of its directions, effects, methodology, quality, financing, and prospects.	(Online through World Campus)	ADTED 460; ADTED 507
CI 400		Introduction to Research Literature	Introduction to research literature and methodology; stress on interpretation, sources, and research reporting.		student teaching or teaching experience
CI 597A	HIED 597A EDLDR 597A / EDTHP 597D	Foundations of Education (CI) Foundations of Research (HIED/EDLDR/EDTHP)	An overview of a variety of approaches to educational research within the context of the Education Science Reform Act of 2002.	D. Evensen, P. Shannon	none
CN ED 526		Research in Counselor Education	Evaluating counselor education research from scientist-practitioner perspective; emphasis on how to develop and use research with an applied focus.	S. Woodhouse	none
CSA 504		Research and Assessment in Student Affairs	This course provides the basic knowledge and skills necessary to plan, design, implement, and evaluation assessment programs in student affairs.	S. Rankin	none
EDLDR 580		The Use of Theory in EDADM	Critical analysis of current theories, problem findings and hypothesis formulation.	N. Prestine	EDLDR 480; 6 credits in EDLDR
EDLDR 581		Field Research in Educational Leadership	Field study and qualitative methods in research on educational organizations.	N. Prestine	EDLDR 480; 6 credits in EDLDR
EDLDR 585	EDTHP 585, HI ED 585	Research Design: Implications for Decisions in Higher Education	A capstone course on research design and analytical approaches to support decision-making in administration and policy-making.	K. Schafft and K. Bodovski	EDPSY 400 & EDPSY 406 OR AG 400 & RSOC 573
EDTHP 597	special topic	Quantitative Studies in Education	Reviews existing quantitative studies in education with the emphasis on methods used, theoretical and practical implications.	K. Bodovski	none

INSYS 545		Research in Instructional Computing	The critical analysis of research in instructional computing and the application of research methodologies in instructional computing research.		EDPSY 475 OR INSYS 575
INSYS 583		Survey of Research in Instructional Systems and Technology	Analysis and evaluation of research in domains of instructional systems and technology.	B. Grabowski	PhD or EdD candidacy
LLED 594		Research in Language and Literacy Education	Cooperative design and study of research in language and literacy education.		CI 400 OR EDPSY 400
SCIED 558		Research Problems in Science Teaching	Problems and research dealing with curriculum, materials, evaluation, and supervision of science teaching and learning.		SCIED 412 OR SCIED 458; teaching experience
SPLED 573		Introduction to Research in Special Education	A seminar to review and design research in special education.	D. Lee	SPLED 454
SS ED 533		Research in the Teaching of Social Studies	Procedures and methods of research for the teaching of social studies, strategies of investigation, and review of research literature.	S. Metzger	12 credits in Social Sciences at 400 or 500 level & teaching experience
WF ED 550		Research in Workforce Education	Research techniques in workforce education.	E. Farmer	none

Qualitative Research

CoE COURSE	CROSS LIST	TITLE	DESCRIPTION	INSTRUCTOR	PRE-REQS
ADTED 550		Qualitative Research in Adult Education	Introduction to the theory, principles, and practice of qualitative research.	I. Baptiste and F. Schied (two sections)	none
ADTED 551		Qualitative Data Analysis	Students learn to analyze data qualitatively by engaging in, and continuously reflecting on the process.	I. Baptiste (usually offered 1st summer session only)	ADTED 550 & INSYS 574
ADTED 552		Participatory Action Research	Examines origins, historical development, main characteristics, methodological assumptions and models, practice of participatory action research adult education and community development.	L. Semali	none
CI 501		Teaching as Inquiry	Course guides teachers to develop systematic inquires into effective teaching and learning.	Stephanie Serriere; Jamie Myers	none
CI 502		Qualitative Research in Curriculum and Instruction I	Presentation of theoretical and practical issues related to designing and proposing qualitative research concerning curriculum, teaching and/or learning.	G. Kelly; K.Powell; K. Collins	none

CN PSY 497A		Observational Research	Counseling psychology research, including observation of at-risk families and use of a variety of coding systems to study parenting processes, and self/emotion regulation in children and adults, and supervised on an individual basis.	E. Skowron	
EDLDR 581		Field Research in Educational Leadership	Field study and qualitative methods in research on educational organizations.	N. Prestine	EDLDR 480; 6 credits EDLDR
EDLDR 586	EDTHP 586, HI ED 586	Qualitative Methods in Educational Research	Exploration of the theoretical framework undergirding qualitative research and its attendant practices and techniques.	G. LeTendre; D. Evensen; K. Schafft (varies)	none
EDLDR 588	EDTHP 588, HI ED 588	Qualitative Methods in Educational Research II	Advanced study of methods involved in executing and analyzing qualitative research in education.	D. Evensen	EDLDR 586
INSYS 574		Applied Qualitative Research for Work Practice, Innovation, and Systems Design	Investigates qualitative research paradigms and methodologies; develops skills in use of ethnographic methods in work practice, innovation and systems design.	A. Carr-Chellman	Any introductory research design course (i.e. ADTED 550) OR instructor permission
LLED 503	ENGL 503	Research Methods in Composition	Introduction to the issues and methods of empirical research in composition.		none
LLED 597C		Research in Children's Literature	Formal courses given on a topical or special interest subject which may be offered infrequently; several different topics may be taught in one year or term.		none
SS ED 533		Research in the Teaching of Social Studies	Procedures and methods of research for the teaching of social studies, strategies of investigation, and review of research literature.	S. Metzger	12 credits in Social Sciences at 400 or 500 level & teaching experience

Quantitative Research

CoE COURSE	CROSS LIST	TITLE	DESCRIPTION	INSTRUCTOR	PRE-REQS
EDPSY 400		Introduction to Statistics in Educational Research	The foundations of statistical techniques used in educational research; distributions, central tendency, variability, correlation, regression, probability, sampling, hypothesis testing.	R. Sperling	none
EDPSY 406		Applied Statistical Inference for the Behavioral Sciences	Common techniques (parametric) covered through two-factor analysis of variance (independent samples); hypothesis testing, confidence interval, power, robustness; MINITAB frequently used.	Cristin Hall	EDPSY 400 OR STAT 200
EDPSY 450	PSYCH 404	Principles of Measurement	Scale transformation, norms, standardization, validation procedures, estimation of reliability.	H. Suen	EDPSY 400 OR PSYCH 200 OR PSYCH 100 & STAT 200

EDPSY 475		Introduction to Educational Research	Scientific method; classes of variables in educational research; the measurement of classroom behavior; survey, predictive, and experimental studies.	H. Suen	EDPSY 400
EDPSY 506		Advanced Techniques for Analyzing Educational Experiments	Analytical and experimental control considerations for designs involving nested and/or crossed subjects. Analysis of variance and multiple comparisons via computers.	Pui-Wa Lei	EDPSY 406 OR PSYCH 400
EDPSY 507		Multivariate Procedures in Educational Research	Introduction to matrix algebra, computer programming, multiple regression analysis, multiple and canonical correlation, multiple discriminant analysis, classification procedures, factor analysis.	R. Stevens	EDPSY 406 OR PSYCH 400
EDPSY 554		Theories of Psychological Measurement	Basic true-score and error models; their extensions to test reliability and test validity; problems of item analysis and weighting.	Hoi Suen	EDPSY 450
EDPSY 555	CI ED 555	Validity of Assessment Results	Concepts, issues, and methods of validation of educational and psychological assessment including models and approaches to validation, bias, and utility.	Hoi Suen	EDPSY 406; EDPSY 450
EDTHP 597A		Quantitative Studies in Education	Reviews existing quantitative studies in education with the emphasis on methods used, theoretical and practical implications.	K. Bodovski	none
EDTHP 597A		Improving Educational Writing for Proposals and Publication	Focus on the components of high-quality academic writing for educational research with a special emphasis on ways to improve the writing process.		none
INSYS 575		Designing Experimental Research in Instructional Systems	Designing research studies in Instructional Systems of a quantitative and experimental nature. Will result in a research proposal.	F. Dwyer	none
SPLED 505		Single-Case Research	Overview of research methods associated with collecting and evaluating repeated measures on single cases.	F. Rusch	none

Mixed Methods

CoE COURSE	CROSS LIST	TITLE	DESCRIPTION	INSTRUCTOR	PRE-REQS
CI 500		Multiple and Mixed Methods in Curriculum Inquiry	Multiple and mixed methods of inquiry to investigate problems in the practice of curriculum and instruction.		none
EDLDR 589		Mixed Methods in Educational and Social Scientific Research	This course considers the epistemological and paradigmatic implications of mixed methods research within educational and other social scientific research contexts.		none

Research Activity / Production

CoE COURSE	CROSS LIST	TITLE	DESCRIPTION	INSTRUCTOR	PRE-REQS
CI 503		Qualitative Research in Curriculum and Instruction II	Considers forms of qualitative data, data analyses, procedures to generate data relationships, interpretation, and presentation of data.	K. Powell / J. Myers	CI 502
CN PSY 597B		Research Practicum to Counseling Psychology	Provides orientation to CNPSY program including policies & requirements. Course is part of sequence designed to assist student complete a successful dissertation proposal.	S. Woodhouse	none
HI ED 585	EDLDR 585 / EDTHP 585	Research Design: Implications for Decisions in Higher Education	A capstone course on research design and analytical approaches to support decision-making in administration and policy-making.	K. Schafft, K. Bodvoski	EDPSY 400 & EDPSY 406 OR AG 400 & RSOC 573
HI ED 594		Research Topics	Supervised student activities on research projects identified on an individual or small-group basis.	D. Evensen, R.Geiger	none