

FALL 2020 INTERDISCIPLINARY COURSES: RESEARCH METHODS

Course	Time/Location	Description
APK5404: Sports Psychology	Wed, 12:20-2:50 PM TBD	This course provides an introductory graduate survey of sport psychology topics and research.
DEP5068: Life-Span Human Development	Mon, 8:00-10:30 AM STB 3203	This course discusses central theories and topics in developmental psychology across the life span, focusing especially on the implications of developmental theory and empirical research on counseling and other helping professions.
EDF5400: Basic Descriptive and Inferential Statistics Applications	Online & F2F Tues & Thurs, 9:30-10:45 AM STB 3203	This course prepares students to both read and write papers containing basic statistical analyses. Topics covered include descriptive statistics, basic plots and graphing, hypothesis testing, confidence intervals, correlational techniques, and introduction to the general linear model.
EDF5401: General Linear Model Applications	Online	In this course, topics included are general linear model applications including multiple regression, ANOVA, ANCOVA, aptitude-treatment-interaction analysis, and other techniques.
EDF5406: Multivariate Analysis Applications	Online	This course examines design and analysis of research studies with multiple independent and dependent variables including path analysis, confirmatory factor analysis, and exploratory factor analysis.
EDF5409: Causal Modeling	Fri, 12:20-2:50 PM STB 3305	This course considers causal modeling techniques, including structural equation modeling, longitudinal growth modeling, multiple-sample structural equation modeling, as well as assumptions underlying causal modeling.
EDF5432: Measurement Theory I	Mon, 5:15-7:45 PM STB 3209	This course is an introduction to test theory; mathematical bases for operational procedures; practical applications of theory.
EDF5434: Measurement Theory II	Wed, 5:15-7:45 PM STB 3209	This is an advanced course in the theory, principles, and techniques of measurement.
EDF5461: Introduction to Program Evaluation	Tues, 3:35-4:35 PM STB G154	This course is an overview of current evaluation theory and models; emphasis on role evaluation in needs assessment and planning phase of program development.

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EDF5464: Qualitative Research and Evaluation Methods	Online	This course develops students' skills in collecting qualitative data for program evaluation. The political context of evaluation and the strategies for ensuring the production of quality work are emphasized. The goals of the course are to provide students with 1) an understanding of theoretical frameworks guiding qualitative research and evaluation, and 2) hands-on experience in the collection and analysis of qualitative data.
EDF5484: Educational Data Analysis	Tues & Thurs, 3:35-4:50 PM STB 1203	This course provides students with practice in applying linear and generalized linear models to educational data sets. The focus is not on specific methods, but rather on identifying which methods are appropriate for a given data sets, interpreting the results and writing up reports summarizing the results.
EDF5649C: Applied Education Policy Analysis	Thurs, 3:35-6:20 PM STB 1301E	This course builds on students' introductory knowledge of basic statistics, economics and education policy. The course specifically teaches graduate students how to apply theory to research, policy, and evaluation issues with a focus on P-20 education policy analysis.
EDF5916: Research Proposal Writing	Online	This course provides the opportunity to develop a written research proposal (including literature review) and to select and specify the appropriate research design and data collection methods to answer one's research questions.
EDF6482: Experimental and Quasi-Experimental Research Design	Tues & Thurs, 12:30-1:45 PM STB 3305	This advanced course develops skills necessary to plan high quality research and be a discriminating consumer of existing research. The course covers both randomized experiments and non-randomized quasi-experiments, exploring the implications of the design for causal conclusions which could be drawn from the data.
EDF6486: Applied Research Methods in Educational Leadership and Policy	Wed, 3:35-6:20 PM STB G151	This course introduces students to the role that educational and empirical research, in particular, can play in solving educational problems.

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EDF6937: Seminar in Advanced Research Problems	<i>see class search for offerings</i>	This course may be repeated to a maximum of fifteen semester hours. The course is designed for advanced students.
EDG5339: Making Sense of Data to Inform Instruction	Online	This course is designed to support educators in exploring the concepts underlying the use of data to inform instructional strategies. The course provides an understanding of accountability systems and the wide range of data collection tools, and supports the development of educators' skills in basic data analysis procedures, data interpretation, and application of these interpretations to shape instructional practice in classrooms and other educational settings.
EDH5079: Outcomes Assessment in Higher Education II: Analysis & Dissemination	Tues, 3:35-6:20 PM STB 3203	This course trains higher education professionals primarily undertaking research in the form of assessment. The course places attention on applications of educational research and assessment within the context of the practice of higher education administration.
EDP5216: Theories of Learning & Cognition in Instruction	Tues, 12:30-3:00 PM STB G154	This course focuses on the applications of prominent contemporary theories of learning, cognition, and information processing to instructional settings.
EME6665: Synthesis, Analysis, and Argumentation in Instructional Systems Research	Thurs, 12:30-3:00 PM TBD	This course covers tools, techniques, and procedures for finding, synthesizing, analyzing, and summarizing research related to past and on-going relevant topics in Instructional Systems.
SPM6700: Seminar in Sport Management Research	Mon, 8:00-11:00 AM TUL 2014	This course examines research methods frequently utilized in sport management. Students critically evaluate published research and learn to conceptualize, design, and conduct empirical research.
SPM6735: Applied Statistics in Sport Management I	Thurs, 2:00-4:50 PM TUL 2020	This course is designed to introduce students to various multivariate statistical methods, and the application of multivariate statistics to research problems in sport management.
SYP5105: Theories of Social Psychology	Online	This course examines the major theoretical orientations in contemporary social psychology. Special attention is given to perspectives such as symbolic interactionism, social learning theory, expectation states/status characteristics theory, emotions work theory, and Goffman's dramatization theory.