Statistics and Specialized Research Methods Courses

Either STAT 7000 or ERMA 7300 should be taken by entering students unless they have previously had a graduate statistics course. If the latter is the case, the first statistics course should be selected in discussion with the advisor. The MP or GAC members may suggest more than the minimum statistics or research methods course to support thesis research or career goals.

Department of Educational Foundations, Leadership, and Technology (EFLT), College of Education

*ERMA 7300 Design and Analysis in Education I (3), Pr. ERMA 7200 or CADS 7050.
ERMA 7310 Design and Analysis in Education II (3), Pr. ERMA 7300.
ERMA 7210 Theory and Methodology of Qualitative Research (3).
ERMA 7220 Applied Qualitative Research (3), Pr. ERMA 7210.
ERMA 7320 Applied Quantitative Research (3), Pr. ERMA 7200, ERMA 7300.
ERMA 8200 Survey Research Methods (3).
ERMA 8320 Design and Analysis in Education III (3), Pr. ERMA 7310.
ERMA 8330 Non-Parametric Data Analysis in Education Research (3), Pr. ERMA 7300.
ERMA 8340 A Practical Introduction to Structural Equation Modeling (3), Pr. ERMA 8320.

Department of Human Development and Family Studies (HDFS), College of Human Sciences

HDFS 8050 Advanced Research Methods I. (3). Pr. HDFS 7060; Coreq. HDFS 8051 Lab (1).
HDFS 8060 Applied Longitudinal Methods in Human Development and Family Studies (3), Pr. HDFS 7060; Coreq. HDFS 8061 Lab (1)
HDFS 8070 Advanced Research Methods II (1-3), Pr. HDFS 7060.

Department of Mathematics and Statistics, College of Sciences and Mathematics

STAT 6630 Sample Survey, Design and Analysis (3), Pr. STAT 3600 or dept. approval.
*STAT 7000 Experimental Statistics I (4), Pr. MATH1120, STAT 2510 or dept. approval.
STAT 7010 Experimental Statistics II (3), Pr. STAT 7000.
STAT 7020 Regression Analysis (3), Pr. STAT 7000 or dept. approval.
STAT 7030 Categorical Data Analysis (3), Pr. STAT/Math 3600 or STAT 7000 or dept. approval.
STAT/SOCY 7100 Statistical Analysis of Survey, Aggregate & Large Data Sources (3), Pr. STAT 2010 or dept. approval.
STAT 7620 Non-Parametric Statistics (3), Pr. STAT 3600 or dept. approval.
STAT 7840 Applied Multivariate Statistical Analysis (3), Pr. STAT 7000 or dept. approval.
STAT 7860 Applied Time Series Analysis (3), STAT 3610 or dept. approval.

Department of Management (MNGT), College of Business

BUAL 6600/6606 Predictive Modeling I. (3), dept. approval.
BUAL 6610/6616 Predictive Modeling II. (3), BUAL 6600.
BUAL 6650/6656 Big Data I (3), dept. approval.
BUAL 6660/6666 Big Data II (3), 6650.