Guidance Regarding the Statistics and Advanced Methods Course Requirement (revised 12/15/2022)

All doctoral students are required to complete LIS 6027 Statistics and Data Analysis for Information Studies[1] [2] plus at least one additional research methods course. The advanced methods course may be taken within the iSchool or in another academic unit at FSU. This course may be at the 5000 or 6000 level.

Given the differences in course content, required prerequisites in statistics and/or mathematics, and course numbering, it is imperative that students examine the current course syllabus for the course that they are considering and consult with their major advisor. Attention should also be given to making sure that students build on their prior knowledge and avoid duplicating course content.

Each doctoral student should work with their major professor to choose an advanced methods course that assists them in carrying out research in their specific area of interest. This means that what is considered suitable to meet the advanced methos requirement may vary among students in the doctoral program. The goal is to assist in preparing each student for doing research in their chosen research area. This can only be done with careful discussion between the student and the advisor.

The student must indicate which course they intend to count toward the requirement on their program of study form. This form should be submitted after their annual review each year. The doctoral student and/or faculty advisor should not expect iSchool advising staff to determine which course satisfies the requirement.

The following are examples of advanced methods courses. This list not exhaustive. Doctoral students are expected to search for and determine the availability of courses both within the iSchool and within other units at FSU.

LIS   6272 Qualitative Research in Information Studies
LIS   6939 Seminar in Experimental and Survey Research Design
EDF 5401 General Linear Model Applications
EDF 5402 Advanced Topics in Analysis of Variance Applications
EDF 5406 Multivariate Analysis Applications
EDF 5409 Causal Modeling
EDF 5414 Introduction to Large Data Sets
EDF 5432 Measurement Theory 1
EDF 5434 Measurement Theory 2
EDF 5448 Scale and Instrument Development
EDF 5449 Survey Research Methods
EDF 5480 Introduction to Categorical Data Analysis
EDF 7418 Multilevel Modeling
EDF 7489 Meta-Analysis
CAP 5605 Artificial Intelligence
CAP 5619 Deep and Reinforcement Learning Fundamentals
CAP 5771 Data Mining
SPM 6746 Qualitative Inquiry in Sport and Physical Culture
STA 5207 Applied Regression Analysis
STA 5238 Applied Logistic Regression

Students may consult the [FSU Graduate Bulletin](#) for a list of graduate departments and course descriptions.

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[1] If LIS6027 is not scheduled to be taught in an academic year the chair of doctoral program will suggest another course that has suitable content.

[2] When a doctoral student has a strong prior preparation in statistics, the student may petition the chair of the doctoral program to place out of LIS6027. If the petition is granted, the student is expected to take another statistics course to replace LIS6027 and is also expected to take another course to satisfy the advanced methods requirement.