

HIED 667: ADVANCED QUANTITATIVE REASONING

This course is designed to provide students with an introduction to advanced quantitative methods. Through course materials and assignments, students will gain an understanding of the skills and knowledge required to plan, conduct, and analyze quantitative research. The course focuses on the statistical methods that are commonly used in education research and provides opportunities to apply these methods using real data. As an applied course, the content is not highly technical. The course emphasizes understanding concepts (rather than the mathematics) behind the statistics, with an emphasis on the questions answered by specific methods and interpretation of the results from those methods. A basic premise of the course is that students will come to a deeper understanding (and hopefully appreciation) of quantitative methods through their actual application in investigations of education problems. Students will be required to not only design relevant analyses but also interpret results and communicate implications.

Credits: 3

Prerequisites:

Prerequisite: HIED 665 or permission of instructor

Department: [Higher Education](#)