

Measurement in Applied Research

NURS 7212
Summer 2021

Course Description

This course provides a knowledge base in the process of instrumentation to measure psychosocial and behavioral phenomena. Techniques to evaluate existing instruments will be followed by methods for designing and testing the psychometric properties of instruments.

Course Objectives

The student will be able to:

- Explain classical test theory and item response theory as they apply to psychosocial instruments used in clinical research
- Critically evaluate existing instruments based on available data for appropriate use in health care research
- Apply basic inductive and deductive approaches to assessing content validity
- Conduct statistical analyses to evaluate an instrument's reliability, validity, and responsiveness.
- Design a study to support the reliability, validity, and responsiveness of an existing instrument that would add to currently available evidence

Prerequisite:

Basic statistics course

Who:

Doctoral/graduate students

Credits:

3 credits

When:

Fridays

2:00 to 5:00

Where:

Online via Zoom

Course Instructor:

Jia-Wen Guo, PhD, RN
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With Paula Meek PhD RN

Other information:

Students can enroll in this course through Nursing Education Xchange (NEXus)