



Educational Assessment

Course Syllabus

Course Description/Purpose

This course is designed to build an understanding of effective classroom assessment techniques. Emphasis on the psychometric properties of classroom assessments (reliability, validity, and absence-of-bias) will support teachers' educational practices and their ability to select appropriate assessment techniques. Participants will reflect on their own classroom assessments, identifying areas of improvement and developing effective assessments for examining students' understanding of classroom topics. The course provides educators with the tools to help align their instruction and assessment to improve student success in the classroom.

This course enhances classroom teaching effectiveness and supports improved student outcomes by introducing new knowledge in effective classroom assessment design and implementation, including psychometric principles like reliability, validity, and absence-of-bias, to better align instruction and assessment for improved student success.

Course Objectives

At the end of this course you should be able to:

1. Identify reasons testing and reliability are important and how educators can create fairness on classroom assessments.
2. Recognize the importance of validity and how to improve classroom assessment validity.
3. Understand how reliability, validity, and absence-of-bias can improve alignment of instruction and assessment.
4. Understand and select appropriate classroom assessment techniques.
5. Understand performance assessments and when it is appropriate to utilize performance assessment techniques.
6. Understand how to align and utilize formative assessment in classroom instruction.
7. Recognize grading instructional issues.
8. Reflect on test item misalignment and proper test item use.

Modules

- Module 1: Psychometrics: Reliability and Fairness, Quiz 1
- Module 2: Psychometrics: Validity, Quiz 2
- Module 3: Psychometrics: Bringing it all together, Quiz 3
- Module 4: Assessment Techniques: How and What to Assess, Quiz 4
- Module 5: Assessment Techniques: Performance Assessments, Quiz 5
- Module 6: Assessment Techniques: Formative Assessment, Quiz 6
- Module 7: Instructional Issues: Grading, Quiz 7



- Module 8: Instructional Issues: Alignment and Improvement, Quiz 8

Grading:

Each quiz must be passed at an 80% or higher (three attempts allowed).

Format

This is a self-paced, asynchronous (no required live meetings) course. Throughout the PD course, you will find it helpful to take notes along the way to assist with the quizzes. Within each module, you will find reflection assessments that are not graded but will help in your journey through the course. There is an interactive forum in the course to help you connect with peers and instructors, share ideas, and collaborate on best practices throughout your learning journey.