

# Psychological Measurement and Methodologies

*Graduate Certificate (For Credit)*



## Overview

Get an overview of the methods used to measure psychological attributes and analyze quantitative data related to organizational interventions. This three-course series covers the core competencies needed to practice as an industrial-organizational psychologist or human resource professional, including:

- An overview of methods for developing and validating new surveys and psychological measures
- Strategies for evaluating existing surveys and measures
- Methods for designing laboratory and field research studies
- Techniques for statistical analysis of research data

### Curriculum

Required Courses (10-11 credits required)

- PSY 605 - Applied Measurement Theory (3 cr.) (Spring)
- PSY 662 - Applied Psychological Research Methods I (4 cr.) (Fall)
- PSY 663 - Applied Psychological Research Methods II (4 cr.) (Spring)  
OR PSY 665 - Applied Psychological Issues & Methods (3 cr.) (Fall)

### Designed For

Instructors wanting to enhance their teaching with proven, practical, and innovative ideas

### Prerequisites

- Bachelor's degree in psychology or business
- Prior research experience or work in human resources is desirable, but not necessary
- Individual courses may have prerequisites

### Time Frame

Completion of the certificate varies based on the number of credits completed each semester

### Contact Us

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### For more information

[www.online.colostate.edu/certificates/  
psychological-measurement.dot](http://www.online.colostate.edu/certificates/psychological-measurement.dot)

Courses completed as part of the certificate program can be applied toward the Masters in Industrial/Organizational Psychology degree, in accordance with University credit policies.

