Overview

Statistics and Probability for Secondary Mathematics Teaching explores important conceptual underpinnings, common misconceptions and students’ ways of thinking, appropriate use of technology, and instructional practices to support and assess the learning of statistics and probability. Secondary teachers should have a deep understanding of summarizing and representing data, study design and sampling, probability, testing claims and drawing conclusions, and the historical development of content and perspectives from diverse cultures. Calculus I is a prerequisite for this course.

Competencies

- **Technology in Statistics and Probability**
  The graduate integrates technology to support and assess students' learning of statistics and probability.

- **Instructional Practices for Statistics and Probability**
  The graduate integrates instructional practices to support and assess students' understanding of statistics and probability.

- **Conceptual Statistics and Probability and Common Misconceptions**
  The graduate analyzes conceptual statistics and probability underpinnings, common misconceptions, and students’ ways of thinking to create opportunities to learn.

- **Statistics and Probability Content, History, and Cultural Diversity**
  The graduate analyzes historical development, perspectives from diverse cultures, and content knowledge to deepen a student’s statistics and probability understanding.

Learning

**Getting Started**

Welcome to Statistics and Probability for Secondary Mathematics Teaching! In this course you will learn a variety of strategies that you can implement in teaching secondary statistics and probability content. This course is delivered in the WGU module-based learning platform, which incorporates readings, videos, and a variety of interactive learning components. For the best experience, work through the modules in the order they’re presented. Your competency will be demonstrated by successful completion of a performance assessment.

[GO TO COURSE MATERIAL](https://my.wgu.edu/courses/course/12460006)
Performance Assessment: Statistics and Probability for Secondary Mathematics Teaching

Status: Not Attempted
Code: ETP2

Course Instructor Group
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