



# Course Competency Report by Code

Code: AVA2

## Geometry and Statistics (AVA2)

Course of Study: AVA2 - Geometry and Statistics  
 Course Level: Graduate  
 Course Division: First Year Master's  
 Discipline: Mathematics  
 Course Type:  
 Department: Capstone

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
201.8.1	Geometry and Measurement Knowledge	The graduate demonstrates plane geometric and three-dimensional reasoning, concepts and principles and locates, develops and solves real world problems using important geometric and measurement principles.
201.8.2	Geometry and Measurement Instructional Strategies	The graduate analyzes, critiques, modifies, develops and evaluates lessons and instructional strategies involving geometry and measurement, analyzes common student errors and misunderstandings, and determines necessary prerequisite skills required for students to complete given activities involving geometry and measurement.
201.9.1	Statistics and Probability Knowledge	The graduate describes the theory of probability, including the fundamental counting principle, and its relationship to sampling, statistical inference, and how to make and evaluate predictions.
201.9.2	Statistics and Probability Instructional Strategies	The graduate analyzes, critiques, modifies, develops and evaluates lessons and instructional strategies involving probability and statistics, analyzes common student errors and misunderstandings, and determines necessary prerequisite skills required for students to complete given activities involving probability, statistics and the evaluation of predictions.