



Course Competency Report by Code

Code: C281

College Geometry (C281)

Course of Study: C281 - College Geometry
Course Level: Undergraduate
Course Division: Upper Division Major
Discipline: Mathematics
Course Type:
Department: Mathematics

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
218.1.1	Axiomatic Systems	The graduate applies the axiomatic nature of geometry to analyze the fundamental concepts and principles of Euclidean and non-Euclidean geometries.
218.1.2	Properties and Relationships	The graduate applies synthetic and analytic methods to construct proofs and solves problems involving the properties and relationships of two-dimensional objects.
218.1.3	Congruence and Similarity	The graduate proves theorems involving congruence and similarity of geometric objects and applies them to solve problems.
218.1.4	Measurements	The graduate applies measurement formulas and techniques to analyze geometric relationships and solve problems.
218.1.5	Visualization	The graduate uses visualization and spatial reasoning to analyze the characteristics and properties of three-dimensional objects.
218.1.6	Geometric Transformations	The graduate applies geometric transformations to explore and analyze objects and solve problems.