

EDEL 3318 : Elementary Geometry

Covers topics from plane and solid Euclidean geometry including the properties of parallels, perpendiculars, triangles, and circles; perimeter; formulas for area of plane regions, surface area, and volume of solids. The course provides the geometric foundation for beginning elementary school teachers incorporating the following: spatial reasoning to investigate concepts such as directions, orientation, perspective, shape, and structure; the use of mathematical reasoning to develop, generalize, justify, and prove geometric relationships; and connections among the geometric ideas and number concepts, measurement, probability and statistics, and algebra.

Credits 3

CIP

13.1210

Corequisites

Concurrent enrollment in EDEC 3301, EDEC 3305, EDLL 3301, and EDTP 3301 and acceptance into the Educator Preparation Program (EPP) or consent of the department dean are required. A minimum of a 2.75 GPA is required for all upper-level courses in the BAAS (Bachelor of Applied Arts and Sciences) ECET (Early Childhood Education and Teaching) program.