

# EDUG-723 : Developing Mathematical Understanding in the Intermediate & Upper Elementary Grades

This course will examine the theory, research and instructional practices essential to developing mathematical understanding of concepts and skills found in the intermediate elementary grades mathematics curriculum. Experiences in this course will focus on helping children develop a sound, foundational understanding of the concepts, language and skills in the areas of numeration, algebraic thinking, geometry, measurement, data analysis and probability. Candidate will learn to assess children's mathematical understanding and plan engaging, meaningful learning experiences that lead to success for all learners. Prospective teachers will use culturally-relevant contexts such as children's literature, science, social studies, and the arts to engage the students in mathematics. A practicum offers opportunities to apply content and skills learned in this course.

**Credits** 3

**Instructional Method**

LEC

**Semester Offered**

Spring