

## IN 601: METHODS OF TEACHING MATH-ELEM LEVEL

The course reviews content through pedagogical practices for elementary topics such as number/number sense, Algebra, Geometry, and Probability/Statistics from a teacher and preK-6 student perspective. Preservice teachers will develop a deeper understanding of content, gain flexibility in solving problems, apply the NCTM Process Standards, and acknowledge the effective practices (NCTM, 2014) for facilitating mathematical instruction through rich inquiry-based tasks. As a pre-service teacher, you will be introduced to the vertical and horizontal progression of the standards for student learning, as well as nontraditional algorithms, manipulatives, and technology appropriate for this grade span. Differentiation strategies will be shared and applied in classroom instruction and assignments in order to meet all student needs in a general education classroom that might also include students with disabilities. The assignments and classroom activities will enable the preservice teacher an opportunity to experience teaching and learning through the lens of a teacher and a student.

**Credits:** 3

**Department:** [Education](#)