

Math Education (Elementary) (MAEE)

MAEE 5462. Tchg Math to Child N-6. 3 Credit Hours.

The purpose of this course is to prepare prospective and beginning teachers to teach reform-based mathematics in early childhood and elementary school settings as suggested in the Principles and Standards for School Mathematics (NCTM, 2000). The intent of the course is to enable prospective and beginning teachers to enhance their mathematical content knowledge and develop pedagogical content knowledge and teacher efficacy. The course will also focus on equity pedagogies (i.e. culturally responsive and culturally specific pedagogies) and teaching for social justice. The course will also stress mathematical thinking and learning by observing video clips of actual classrooms and individual student assessments as well as microteaching of your peers. We explore teaching mathematics in both conceptual and procedural ways with models, manipulatives and advanced technologies to appropriate for teaching mathematics to all children, including underrepresented minority students, linguistically diverse students, and students with learning disabilities.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

MAEE 5464. C&I in Math Educ N:6. 1 to 6 Credit Hour.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

MAEE 5469. Spec Proj Math Ed. 1 to 6 Credit Hour.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

MAEE 5501. Math/Sci Pedagogy Tchrs. 3 Credit Hours.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.