

Elementary Education (ELED)

ELED 504: Mathematics in the Elementary School

The content and approach to modern mathematics programs are studied, with emphasis on current research and curriculum trends.

3 credit hours. Prerequisite: graduate status, ELED 330 or 438 or elementary school teaching experience, or consent of instructor. Offered fall, spring, summer.

ELED 506: Elementary Mathematics: Geometry, Measurement, Data, Statistics

Elementary mathematics curriculum, content knowledge, standards-based instruction, and research in pedagogy are linked to the teaching of geometry, measurement, and data in the elementary classroom.

3 credit hours. Prerequisite: graduate status and elementary school teaching experience, or consent of instructor. Offered annually.

ELED 510: Research Methods, Analysis, and Applications

Practitioners and consumers of research literature examine the process, products, and application of educational inquiry. Topics include research design, data collection, and analysis.

3 credit hours. Prerequisite: graduate status and prior work in research methods or applied research, or tests and measurements, or statistics; or consent of instructor. Offered fall, spring, summer.

ELED 515: Literature in the Elementary School

The development of various patterns of literature instruction in the elementary school are studied. Emphasis is on the development and enrichment of children's literary taste and appreciation. Laboratory experiences are included.

3 credit hours. Prerequisite: elementary school teaching experience or consent of instructor. Offered fall.

ELED 522: Developmental Reading M.A.T. Practicum I

Research and theory as it applies to developmental reading and associated teaching methods are examined. Emphasis is on application and authentic assessment in practicum settings with diverse populations.

(5) 3 credit hours. Prerequisite: admission to the M.A.T. program, CEP 552, ELED 500, FNED 546, minimum GPA of 3.0, or consent of department chair. Offered fall and spring.

ELED 536: Social Studies M.A.T. Practicum

Research and theory as it applies to social studies and associated teaching methods are examined. Emphasis is on application and authentic assessment in practicum settings with diverse populations.

(5) 3 credit hours. Prerequisite: admission to the M.A.T. program, CEP 552, ELED 500, FNED 546, minimum GPA of 3.0, or consent of department chair. Offered fall.

ELED 619: Elementary Mathematics Assessment and Remediation Clinic

Focus is on the assessment and remediation of mathematics difficulties, proficiency in topics central to elementary mathematics, and understanding how children learn mathematics. This course is taught in a six-week summer clinic.

(16) 6 credit hours. ELED 504 and 506. Offered summer.