

EDEL 4302 : Methods of Teaching Elementary Science

Provides a comprehensive framework for teaching science and technology to elementary students (prekindergarten through grade 6). The course covers foundational principles, instructional methods, and essential components like curriculum development and assessment. Four science disciplines (physical science, life sciences, earth, and space sciences, as well as engineering, technology, and application of science) are emphasized to enhance teaching effectiveness. Key objectives include developing teaching philosophies, appreciating the importance of science education, and understanding how students learn science. Preservice teachers engage in hands-on science activities and discussions, fostering scientific literacy and the translation of science education theories into classroom practice.

Credits 3

CIP

13.1210

Prerequisites

EDEL 4301

C or better.

Corequisites

Concurrent enrollment in EDEC 3303, EDEL 4302, EDEL 4303, and EDTP 3305 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.