EDEC 3384 Science Principles for EC-Grade 6 Three semester hours

Course Description: This course focuses on scientific concepts for Early Childhood through Grade 6. Special emphasis is placed on scientific investigation strategies and academic content established in state curriculum guidelines and standards. A grade of "C" or better must be earned to successfully complete the course. Prerequisites: EDEC 2324, admission to the College of Education, and 2.7 overall grade point average.

Student Learning Outcomes:

(1) Identify knowledge and skill standards for science instruction and assessment in Early Childhood through Grade 6 (EC-Grade 6) settings.

(2) Utilize the following Texas Educator Preparation standards found online at:
http://www.tea.state.tx.us/index2.aspx?id=6066&menu_id=2147483671&menu_id2=794

   a) EC-Grade 6 Science Generalist Standards

   b) Pedagogy and Professional Responsibility Standards I and III (EC-Grade 12)

      I. The teacher designs instruction appropriate for all students that reflects an understanding of relevant content and is based on continuous and appropriate assessment.

      III. The teacher promotes student learning by providing responsive instruction that makes use of effective communication techniques, instructional strategies that actively
engage students in the learning process, and timely, high-quality feedback.

(3) Identify developmentally appropriate science learning outcomes for young children, EC-Grade 6.

(4) Utilize the Prekindergarten Guidelines and K-6 TEKs found online at: http://ritter.tea.state.tx.us/teks/

(5) Plan developmentally appropriate science experiences for all students, EC-Grade 6.

(6) Demonstrate appropriate science assessment strategies and performance benchmarks for individual children, EC-Grade 6.


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