

Child Development 332
Science Exploration for Pre-K

Credit Hours: # 3

Scheduled hours per week
Online

Catalog Course Description:

Developmentally appropriate methods of teaching science for preschoolers, toddlers, and infants.

Prerequisites: Admission to BAS Child Development

Corequisites: 10 Hours of Field Experience

Course learning Outcomes:

- Explain the meaning of early science competence for young children, including development of basic scientific concepts related to physics, biology, psychology, and chemistry AND dispositions and thinking skills that support later scientific reasoning (NAEYC 1a,b,c, 3a,b,c, 4a,b,c,d)
- Use standards for science learning) for young children to plan developmentally appropriate science experiences for young children (NAEYC 1a,b,c, 2a)
- Explore and create materials used for scientific investigation in early childhood classrooms
- Relate nature to science objectives for young children (NAEYC 4b,c,d, 5a,b,c)
- Integrate science objectives into comprehensive curricula plans, including independent, small group, and large group experiences and project work (NAEYC 4b,c,d, 5a,b,c)
- Prepare classroom environments that promote positive attitudes about science for young children (NAEYC 1a,b,c, 4b,c,d, 5a,b,c 7a)
- Understand and apply appropriate formal and informal assessment of science objectives for young children (NAEYC 3a.b.c)

Topics to be studied:

- Explain the meaning of early science competence for young children, including development of basic scientific concepts related to physics, biology, psychology, and chemistry AND dispositions and thinking skills that support later scientific reasoning
- Use standards for science learning) for young children to plan developmentally appropriate science experiences for young children
- Explore and create materials used for scientific investigation in early childhood classrooms
- Relate nature to science objectives for young children
- Integrate science objectives into comprehensive curricula plans, including independent, small group, and large group experiences and project work
- Prepare classroom environments that promote positive attitudes about science for young children
- Understand and apply appropriate formal and informal assessment of science objectives for young children

Relationship of course to program or Discipline Learning Outcomes:

- Plan and implement developmentally appropriate curriculum based on knowledge of child development and educational theory with consideration for the multiple factors that influence child development.
- Initiate, sustain, and develop relationships with families and communities to build a respectful and reciprocal community of learners to support children.
- Select, use, and evaluate assessment techniques and strategies, such as observation and documentation.
- Identify as an early childhood professional and participate in the profession through commitment to the Code of Ethical Conduct, 110 professional organizations and professional development, and advocacy for children and families.

Relationship of Course to General Education Learning Outcomes:

Composition and Rhetoric Students illustrate a fundamental understanding of the best practices of communicating in English and meet the writing standards of their college or program-based communication requirements.	X
Science & Technology Students successfully apply systematic methods of analysis to the natural and physical world, understand scientific knowledge as empirical, and refer to data as a basis for conclusions.	
Mathematics & Quantitative Skills Students effectively use quantitative techniques and the practical application of numerical, symbolic, or spatial concepts.	
Society, Diversity, & Connections Students demonstrate understanding of and a logical ability to successfully analyze human behavior, societal and political organization, or communication.	X
Human Inquiry & the Past Students interpret historical events or philosophical perspectives by identifying patterns, applying analytical reasoning, employing methods of critical inquiry, or expanding problem-solving skills.	
The Arts & Creativity Students successfully articulate and apply methods and principles of critical and creative inquiry to the production or analysis of works of art.	
5/3/2016	

Special projects or requirements of the course:

Additional information: NA

West Virginia University at Parkersburg

Uniform Course Syllabus (UCS)

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