

CDEV 304

Credit Hours: # 3

Scheduled hours per week

Online

Catalog Course Description:

Study of interactions, which set the stage for math talks and problem solving skills. Examine and evaluate use of materials, problem solving techniques, and enriching conversations that will foster mathematic processes.

Prerequisites: Admission to BAS Child Development

Corequisites: 10 Hours of Field Experience

Course Learning Outcomes:

1. Students will demonstrate positive guidance and interactions to enhance instruction in the early childhood classroom. (NAEYC Standards 1a, b, c; 4 a. b. c. d)
2. Students will identify, demonstrate and utilize manipulatives for math and fine motor for the early childhood classroom. (NAEYC Standards 1a, b, c; 4a, b, c, d)
3. Students will demonstrate knowledge of communication avenues to enrich students' process and problem solving related to mathematics instruction. (NAEYC Standards 4a, b, c, d)
4. Students will demonstrate the inclusion of literature within the mathematics context. (NAEYC Standards 1a, b, c, d; 5a, b, c)
5. Shadow and relate teaching experiences to NCTM/NAEYC joint position statement on practices in Early Childhood to Promote Good Beginnings. (NAEYC Standards 6 b, d; 7a, b)

Topics to be studied:

- Research results related to mathematics and young children.
- Guidance and mathematical interactions with young children birth to 5 years.
- Exploration of manipulatives, materials, and uses within the mathematics field.
- Integrating mathematics throughout the daily routine.
- Literature connections to the mathematics field.

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.	X
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

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