CDEV 332 SCIENCE EXPLORATION FOR PRE-K
Credit Hours: 3
Scheduled hours per week

Lecture: 3
Lab: 0
Field Experience: 20 hours of field experience total for the semester.

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:

1. Explain how scientific methods can be used by young children to understand the world. (NAEYC 1a, b, c, 3a, b, c, 4a, b, c, d)
2. Use standards for science learning) for young children to plan developmentally appropriate science experiences for young children. (NAEYC 1a, b, c, 2a)
3. Select materials used for scientific investigation in early childhood classrooms. (NAEYC Standards 1a-d, 4a-c, 5a-5c) (WV Standards 4.1-4.6)
4. Integrate science objectives into comprehensive curricula plans. (NAEYC 4b, c, d, 5a, b, c)
5. Prepare classroom environments that promote positive attitudes about science for young children. (NAEYC 1a, b, c, 4b, c, d, 5a, b, c 7a)
6. Apply appropriate 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:

BAS 3 Early childhood educators will create effective assessment plan for young children. (NAEYC 3)
BAS 4 Early childhood educators will develop effective lesson plans for young children using a variety of appropriate teaching strategies to meet the needs of diverse children. (NAEYC 4)

Check if approved as: ☐ Foundational Learning Course ☐ Reinforcement Learning Course

Special projects or requirements of the course: NA

Additional information: NA

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