

## Master Syllabus

### ECE 2104 - Math, Science & Social Studies

**Division:** Liberal Arts, Communication and Social Sciences

**Department:** Early Childhood Education

**Credit Hour Total:** 4.0

**Lecture Hrs:** 4.0

**Prerequisite(s):** ECE 1200AND MAT 1120AND ECE 1201AND ECE 1202

**Other Prerequisite(s):** OR Other OR OTM Mathematics Elective AND OTM Natural & Physical Science Elective AND Approval of Department AND Must complete all courses with a "C" or better

**Date Revised:** January 2018

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### Course Description:

Classroom experience with an emphasis on planning developmentally appropriate curriculum for preschool children following guidelines of professional standards. Content areas include math, science, and social studies.

### General Education Outcomes:

- ▣ Oral Communication Competency
- ▣ Written Communication Competency
- ▣ Critical Thinking/Problem Solving Competency
- ▣ Values/Citizenship/Community Competency
- ▣ Computer Literacy Competency
- ▣ Information Literacy Competency

### Course Outcomes:

#### Developmentally Appropriate Practices

Demonstrate an understanding of developmentally appropriate practices.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

80% or higher

**Assessment Method:** Performance appraisals

**Performance Criteria:**

Score of "4" out of 5 on rubric

**Assessment Method:** Simulations

**Performance Criteria:**

Score of "4" out of 5 on rubric

#### Content Knowledge

Demonstrate a mastery of concepts and skills related to math, science, and social studies.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

80% or higher

**Assessment Method:** Performance appraisals

**Performance Criteria:**

Score of "4" out of 5 on rubric

#### Developmentally Appropriate Experiences

Demonstrate ability to create developmentally appropriate experiences.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

80% or higher

**Assessment Method:** Performance appraisals

**Performance Criteria:**

Score of "4" out of 5 on rubric

#### Developmental Domains and Milestones

Demonstrate an understanding of the developmental patterns, sequence, and milestones that occur in each learning and development domain.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

80% or higher

#### Ohio Early Learning and Development Standards

Demonstrate an understanding of how to properly utilize the Ohio Early Learning and Development Standards.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

80% or higher

**Outline:**

Developmentally appropriate practices

Developmental domains and milestones

Ohio Early Learning and Development Standards

National Association for the Education of Young Children

ODJFS Standards of care of young children

Ohio's New Learning Standards: K-12 Mathematics, related content

Ohio's Revised Science Education Standards and Model Curriculum, related content

Ohio's New Learning Standards: K-12 Social Studies, related content