

NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE

COURSE SYLLABUS

Course Title: ECE 109 -Science and Math Experiences for Young Children

Course Description: This course is designed to help students explore a wide variety of math and science experience suitable for use with young children. Math and science concepts are presented in relation to everyday objects and occurrences. Emphasis will be placed on the relationship between affective and cognitive learning.

Pre-requisite/Co-requisite: ENG 101 with a C or better

Goals:

1. To provide students with an opportunity to apply theories of child development to learning experiences with young children.
2. To offer child-oriented experiences in order to stimulate children's curiosity.
3. To support the young child's natural desire to explore and learn.
4. To discover strategies that aid in the development of problem-solving skills of young children.
5. To discover how to make simple low-cost materials in order to teach science and math concepts.
6. To use the CT Preschool Curriculum Framework (Logical Content Standards-Mathematical/Scientific Thinking) as a guide to create experiences and activities which provide children with opportunities to:
 - a. Express wonder, ask questions and seek answers about the natural world
 - b. Recognize and solve problem through active exploration, including trial and error and interacting with peers and adults
 - c. Organize and express their understanding of common properties and attributes of things
7. To utilize observation as a tool for planning curricular experiences.