

# **CFS 294 - CA Preschool Foundations & Frameworks: Math Course Outline**

**Approval Date:** 05/12/2022

**Effective Date:** 08/12/2022

## **SECTION A**

**Unique ID Number** CCC000632745

**Discipline(s)** EarlyChildhood Education

**Division** Career Education and Workforce Development

**Subject Area** Child Family Studies

**Subject Code** CFS

**Distance Education** On-Campus  
**Mode of Instruction** Hybrid  
Entirely Online

## **SECTION B**

**General Education Information:**

## **SECTION C**

### **Course Description**

**Repeatability** May be repeated 0 times

**Catalog** Introduction to the mathematics domain of the California Preschool Learning

**Description** Foundations and Frameworks including the strands of number sense, algebra and functions, measurement, geometry, and mathematical reasoning. Provides strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-

- F. Describe strategies to support English language learners in developing mathematical knowledge as they concurrently acquire English.
- G. Explain the role of partnership with parents and other caregivers in supporting children's learning of mathematics.

1. Objects and materials to promote mathematical thinking
  2. Objects and materials that are relevant and meaningful to the children in your group
  3. Integration of math-related materials into all areas of the classroom
- IV. Supporting Englishlanguage learners in developing mathematical knowledge as they concurrently acquire English
- V. Partnering with parents and other caregivers in supporting children’s learning of mathematics

**4. Methods of Instruction:**

**Discussion:**

**Lecture:**

**Projects:**

**Online Adaptation:** Discussion, Lecture

**Explain how the online adaptation of the methods of instruction aligns with the course**

**outcomes:** The online adaptation will specifically address and assess student SLO attainment through discussions and quizzes, and assignments that require application of content. Instructor will be available for questions and feedback.

**2. Methods of Evaluation:** Describe the general types of evaluations for this course and provide at least two, specific examples.

**Typical classroom assessment techniques**

Quizzes -- Multiple Choice and Short Answer quizzes on the purpose of, and the content in, the CA Foundations and Frameworks for Mathematics.

Projects -- Plan experiences for each math strand utilizing research based practices.

Letter Grade or P/NP

**3. Assignments:** State the general types of assignments for this course under the following categories and provide at least two specific examples for each section.

A. Reading Assignments

Read Foundations in Mathematics in the California Preschool Learning Foundations.

B. Writing Assignments

Develop a curriculum plan for each mathematics area and identify teaching strategies for a range of children's abilities.

C. Other Assignments

D.

**4. Required Materials**

**A. EXAMPLES of typical college-level textbooks (for degree-applicable courses) or other print materials.**

Publisher: California Department of Education

Date of Publication: 2010

Edition:

**B. Other required materials/supplies.**