



CFS 296 - CA Preschool Foundations & Frameworks: Science Course Outline

Approval Date: 05/12/2022

Effective Date: 08/12/2022

SECTION A

Unique ID Number CCC000632746

Discipline(s) EarlyChildhood Education

Division Career Education and Workforce Development

Subject Area Child Family Studies

Subject Code CFS

Course Number 296

Course Title CA Preschool Foundations & Frameworks: Science

TOP Code/SAM Code 1305.00 - Child Development* / C - Occupational

Rationale for adding this course to the curriculum Dev. to meet exigent circumstances for TK in school districts and the requirement for early education class and the projection that 10000 teachers will need the classes.

Units 1

Cross List N/A

Typical Course Weeks 6

Total Instructional Hours

Contact Hours

Lecture 18.00

Lab 0.00

Activity 0.00

Work Experience 0.00

Outside of Class Hours 36.00

Total Contact Hours 18

Total Student Hours 54

Open Entry/Open Exit No

Maximum Enrollment 20

Grading Option Letter Grade or P/NP

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 Description Introduces the science domain of the California Preschool Learning Foundations and Frameworks including the strands of scientific inquiry, physical, life, and earth sciences and provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required, or professional development, units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers.

Schedule Description

SECTION D

Condition on Enrollment

- 1a. **Prerequisite(s):** *None*
- 1b. **Corequisite(s):** *None*
- 1c. **Recommended:** *None*
- 1d. **Limitation on Enrollment:** *None*

SECTION E

Course Outline Information

1. Student Learning Outcomes:

- A. Explain the roles of the California Preschool Learning Foundations and Frameworks in the education of young children and their relationship to the Desired Results Developmental (DRDP), California Common Core State Standards for kindergarten and Content Standards for California Public Schools (kindergarten).
- B. Plan environments and experiences, based on observation of children, or on a specific scenario, to support children's development of scientific concepts.
- C. Describe how teachers can collaborate with parents and other caregivers to support children's understanding of scientific concepts.

2. Course Objectives: Upon completion of this course, the student will be able to:

- A. Define the roles of the California Preschool Learning Foundations and Frameworks: Science in the education of young children and their relationship to the Desired Results Developmental (DRDP), California Common Core State Standards for kindergarten and Content Standards for California Public Schools (kindergarten).
- B. Use knowledge of the science strands to select materials and plan meaningful experiences in the classroom to promote children's learning and use of scientific language and concepts.
- C. Describe opportunities to include scientific inquiry in daily routines and across all areas of the curriculum.
- D. Discuss the ways teachers collaborate with parents and other caregivers to support children in their development of scientific concepts.
- E.

3. Course Content

I. Introduction to the California Preschool Learning Foundations: Science

A. Purpose and use

B. Relationship to the California Common Core State Standards for kindergarten and Content Standards for California Public Schools (kindergarten)

C. Relationship to Desired Results Developmental Profile (DRDP)

II. Science strands

A. Scientific inquiry

B. Physical science

C. Life science

D. Earth sciences

III. Implementation of the Foundations and Frameworks

A. Planning based on observation of children's interests, skills and abilities

B. Daily experiences and routines as a vehicle to provide diverse opportunities for children to learn and use scientific concepts

C. Selection of books, materials, supplies to provide science rich environments

D. Integration of scientific inquiry into daily routines and across all areas of the curriculum

IV. Supporting English language learners in developing English literacy skills while concurrently learning about science

V. Partnering with parents and other caregivers to include meaningful experiences designed to scientific understanding

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 Science.

Projects -- Create a plan for meaningful science experiences through written curriculum proposals.

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 the section titled Foundations in Science in the California Preschool Learning Foundations, Volume 3.

B. Writing Assignments

Write a paper describing how scientific inquiry can be integrated into daily routines and across all areas of the curriculum. Be sure to use clear and specific examples of integration.

C. Other Assignments

D.

4. Required Materials

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

Book #1:

Author: California Department of Education
Title: CA Preschool Curriculum Framework, Volume 3
Publisher: California Department of Education
Date of Publication: 2013
Edition:

Book #2:

Author: California Department of Education
Title: CA Preschool Learning Foundations, Volume 3
Publisher: California Department of Education
Date of Publication: 2012
Edition:

B. Other required materials/supplies.