CFS-296: CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: SCIENCE

Justification for this inactivation request
Course not offered in more than three years.

Effective Term
Fall 2026

CC Approval
10/03/2025

AS Approval
10/09/2025

BOT Approval
10/16/2025

COCI Approval
02/23/2026

SECTION A - Course Data Elements

CB04 Credit Status
Credit - Degree Applicable

Discipline

Minimum Qualifications	And/Or
Child Development/Early Childhood Education (Master's Degree)	

Subject Code
CFS - Child and Family Studies
Course Number
296

Department
Child and Family Studies & Education

Division
Career Education and Workforce Development (CEWD)

Full Course Title
CA Preschool Foundations & Frameworks: Science

Short Title
CA PS Found & Fram: Science

CB03 TOP Code
1305.00 - *Child Development/Early Care and Education

CB08 Basic Skills Status
NBS - Not Basic Skills

CB09 SAM Code
C - Clearly Occupational

SECTION B - Course Description

Catalog Course 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.

SECTION C - Conditions on Enrollment

Open Entry/Open Exit

No

Repeatability

Not Repeatable

Grading Options

Letter Grade or Pass/No Pass

Allow Audit

Yes

Requisites

SECTION D - Course Standards

Is this course variable unit?

No

Units

1

Lecture Hours

18

Outside of Class Hours

36

Total Contact Hours

18

Total Student Hours

54

Distance Education Approval

Is this course offered through Distance Education?

Yes

Online Delivery Methods

DE Modalities	Permanent or Emergency Only?
Entirely Online	Permanent
Hybrid	Permanent

SECTION E - Course Content

Student Learning Outcomes

	Upon satisfactory completion of the course, students will be able to:
1.	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).

2.	Plan environments and experiences, based on observation of children, or on a specific scenario, to support children's development of scientific concepts.
3.	Describe how teachers can collaborate with parents and other caregivers to support children's understanding of scientific concepts.

Course Objectives

	Upon satisfactory completion of the course, students will be able to:
1.	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).
2.	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.
3.	Describe opportunities to include scientific inquiry in daily routines and across all areas of the curriculum.
4.	Discuss the ways teachers collaborate with parents and other caregivers to support children in their development of scientific concepts.

Course Content

1. 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)
2. Science strands
   a. Scientific inquiry
   b. Physical science
   c. Life science
   d. Earth sciences
3. 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
4. Supporting English language learners in developing English literacy skills while concurrently learning about science
5. Partnering with parents and other caregivers to include meaningful experiences designed to
6. scientific understanding

Methods of Instruction

Methods of Instruction

Types	Examples of learning activities
Discussion	
Lecture	
Other	Projects

Online Adaptation

Types	Examples of learning activities
Activity	
Discussion	
Group Work	
Individualized Instruction	
Journal	
Lecture	

Instructor-Initiated Online Contact Types

Announcements/Bulletin Boards
Chat Rooms

Discussion Boards
E-mail Communication
Telephone Conversations
Video or Teleconferencing

Student-Initiated Online Contact Types

Chat Rooms
Discussions
Group Work

Course design is accessible

Yes

Methods of Evaluation

Methods of Evaluation

Types	Examples of classroom assessments
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.

Assignments

Reading Assignments

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

Writing Assignments

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.

SECTION F - Textbooks and Instructional Materials

Material Type

Textbook

Author

California Department of Education

Title

CA Preschool Curriculum Framework, Volume 3

Publisher

California Department of Education

Year

2013

Material Type

Textbook

Author

California Department of Education

Title

CA Preschool Learning Foundations, Volume 3

Publisher

California Department of Education

Year
2012

SECTION G - Diversity, Equity and Inclusivity

Course Codes (Admin Only)

CB10 Cooperative Work Experience Status
N - Is Not Part of a Cooperative Work Experience Education Program

CB11 Course Classification Status
Y - Credit Course

CB13 Special Class Status
N - The Course is Not an Approved Special Class

CB23 Funding Agency Category
Y - Not Applicable (Funding Not Used)

CB24 Program Course Status
Program Applicable

Allow Pass/No Pass
Yes

Only Pass/No Pass
No