



Course Approval Request Form

Use this customized approval request form to print and share with your district or state teaching licensure authority when seeking approval for a Professional Development Institute course.

About PDI

The Professional Development Institute (PDI) has been offering quality online courses to K-12 educators for decades and providing training to teachers across the globe. Every PDI course is approved for graduate-level credit through the prestigious University of California San Diego Division of Extended Studies, ranked in the top ten universities in the United States.

UC San Diego is part of the University of California system and is accredited by the Western Association of Schools and Colleges Senior College and University Commission (WSCUC).

Every PDI course is instructor-led and includes practical strategies for immediate implementation into the classroom, opportunities to interact with the instructor and other participants, rich content, and valuable assignments. Every PDI course is approved as 3 1/3 semester units (or 5 quarter units) of graduate-level credit, equivalent to 50 training hours. Teachers must spend a minimum of three weeks in each course (consecutively, when taking multiple courses) before a final grade is released.

Teacher Information

| | | |
|-----------------------|---------------------|-----------------------|
| Last Name: | First Name: | ID #: |
| School Name: | Address: | |
| Email Address: | Grade Level: | Daytime Phone: |

Course Number and Title:

117T02/ EDUC40271 Science Inquiry Using the 5E Model

I am taking this course:

_____ for 3 1/3 semester unit of graduate level credit. Upon completion, I will receive a transcript from UC San Diego Division of Extended Studies.

_____ As an in-service course. I may request a PDI Grade Report to document my completion.

**This course is approved as 50 training hours, whether taken for graduate credit or in-service.*

Course Description:

Do you find that, even after having students perform a variety of hands-on experiments and activities, they still struggle to truly understand the scientific phenomena being presented? The advent of the 21st century science standards has virtually changed how science is taught and subsequently learned, and the 5E model of science instruction has been proven to stimulate students' curiosity through an inquiry-based approach to learning. This online course is designed for K-6 teachers who wish to explore how to develop their students' deep critical-thinking skills through an inquiry approach to teaching called the 5Es. After being introduced to the 5E model of scientific inquiry, teachers will take a deep dive through each of the five phases — engagement, exploration, explanation, elaboration, and evaluation. Teachers will learn a variety of engaging instructional techniques and activities that are designed to encourage student exploration and stimulate students' metacognitive skills. Teachers will learn a variety of strategies to elicit and develop students' explanations of natural phenomena, including how to weave specific technology components into each phase of their 5E lessons so that students are further engaged in scientific inquiry. By the end of this course, teachers will be able to use the 5E instructional model to design and differentiate their science lessons and units so that the inquiry process becomes student-led, collaborative, and metacognitive.

Seeking approval for:

_____ recertification/relicensure

_____ personal and/or professional growth

_____ district or state requirement

Signature

Date