



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:

2T02 / EDUC40112 Teaching STEM and NGSS at the Primary Level

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:

Have you been wondering how to incorporate the Next Generation Science Standards into your STEM classroom? Do you want to learn how to create a more hands-on science structure in your classroom? This course takes K-2 teachers through a step-by-step explanation of the standards and includes examples and suggestions of how to incorporate them into your science classroom. The course also guides you through how to interpret the science and engineering practices, crosscutting concepts, and disciplinary core ideas at the K-2 level. Then, teachers are taken through each dimension with details provided for how to translate the standards into daily instruction. The 5Es of inquiry-based science are discussed, as well as how Universal Design for Learning, multiple intelligences, and STEM strategies all work together to connect the design and implementation of science lessons, labs, and stations. Specific strategies for connecting math and science are also shared. Additionally, teachers will be introduced to an overview of assessment and how it applies to the Next Generation Science standards, as well as a brief overview of how to manage an inquiry-based classroom. By the end of this course, teachers will have a solid understanding of the NGSS Standards and how to create engaging lessons to put them into practice and action in the classroom.

Seeking approval for:

_____ recertification/relicensure

_____ personal and/or professional growth

_____ district or state requirement

Signature

Date