



## 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

<b>Last Name:</b>	<b>First Name:</b>	<b>ID #:</b>
<b>School Name:</b>	<b>Address:</b>	
<b>Email Address:</b>	<b>Grade Level:</b>	<b>Daytime Phone:</b>

Course Number and Title:

**4T02 / EDUC40122 Unleashing the Power of NGSS and STEM**

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 trying to find a way to incorporate the Next Generation Science Standards (NGSS) into your STEM classroom using a more hands-on approach to learning? This online course takes teachers of grades 3-5 through a step-by-step explanation of the standards and includes examples and suggestions of how to incorporate them into their science lessons. The course also guides teachers through how to interpret the science and engineering practices, crosscutting concepts, and disciplinary core ideas contained within the NGSS. Teachers will be introduced to various instructional models for learning, including the 5Es of inquiry, the 4E x 2 model, and Universal Design for Learning. Teachers will learn how to create an active learner-centered classroom so that various STEM strategies can be used to connect the design and implementation of NGSS-based science lessons, labs, and stations. 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 blend technology and flip a science classroom to make it more student-centered. 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