



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:

32T02 / EDUC41594 Math Problem-Solving Strategies for Grades 3-6

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:

Why do students seem to have such a difficult time with the mathematical problem-solving process? Mathematics standards have shifted the focus from teaching problem solving to teaching *via* problem solving. This online course is designed for teachers in grades 3-6 who want to help their students become critical and logical mathematical thinkers. Specific strategies are introduced that improve the way students approach math problems. Information on the problem-solving process is shared together with distinct suggestions for incorporating specific problem-solving strategies such as choosing an operation, finding a pattern, making a table, making an organized list, drawing a picture or diagram, guess and check, working backwards, and logical reasoning. Teachers will also learn effective grouping strategies for student-centered learning. The role of assessment in the problem-solving process, as well as assessment techniques specifically for problem-solving will also be provided. By the end of this course, teachers will more fully understand how to best help students apply their logic and reasoning to real-world math problems as well as how to appropriately assess students in the problem-solving process.

Seeking approval for:

_____ recertification/relicensure

_____ personal and/or professional growth

_____ district or state requirement

Signature

Date