



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:

35T02/ EDUC41675 Math Manipulatives in the Primary Classroom

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 want to use manipulatives to help your students understand math concepts more concretely? This online course is designed for teachers in grades K-2 who want to learn how to incorporate manipulatives into their everyday teaching in order to guide their students to become critical and logical mathematical thinkers. The course begins by discussing math standards and the role of manipulatives in problem solving. A plethora of suggestions for how to incorporate specific manipulatives into your math instruction in order to improve the way students approach complex mathematical topics are provided. Specific manipulatives discussed in the course include linking cubes, color tiles and counters, pattern blocks, number lines, base ten blocks, place value chips, and hundreds charts to build basic math foundation skills. Ways to introduce play money and clocks are also included. Strategies and activities for using attribute blocks, Cuisenaire rods, rekenreks for addition and subtraction skills, tangrams, and geoboards as an introduction to geometry are shared. Additionally, an overview of how to create a math workshop using hands-on manipulatives is also included. By the end of this course, teachers will have a solid understanding, as well as the tools they need, to use math manipulatives to strengthen their students' math skills.

Seeking approval for:

_____ recertification/relicensure

_____ personal and/or professional growth

_____ district or state requirement

Signature

Date