



## 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 credit through the American College of Education and the prestigious University of California San Diego Division of Extended Studies.

American College of Education is approved by the Higher Learning Commission. UC San Diego is part of the University of California system and is accredited by the Western Association of Schools and Colleges (WASC).

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. 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:

**60T02 / ACE: LE5745 / UCSD: EDUC41616 / Learner-Centered Math Instruction Using Manipulatives**

I am taking this course:

- for 3 semester units of graduate-level, degree-eligible credit through American College of Education.
- for 3 1/3 semester units of post-baccalaureate credit through UC San Diego Division of Extended Studies.
- as an in-service course. I may request a PDI Grade Report to document my completion.

Course Description:

Do your students seem to flounder in math because they just can't "see it" in their heads? In mathematics, manipulatives provide the perfect segue from the unfamiliar to the familiar. They help students transform their mathematical reasoning so that problems become less confusing and much more clear. This online course is designed for teachers in grades 3-6 who want to learn how to incorporate manipulatives such as linking cubes, color tiles and counters, number lines, Cuisenaire rods, base ten blocks, place value chips, fraction strips, algebra tiles, Algeblocks, pattern blocks, pentominoes, attribute blocks, tangrams, Anglegs, dice, geoboards, and even virtual manipulatives into their everyday teaching in order to guide their students to take ownership of their learning so that they can become critical and logical mathematical thinkers. Information on math standards is shared together with distinct suggestions for how to incorporate specific manipulatives into your math instruction in order to improve the way students approach math problems. By the end of this course, teachers will feel much more confident, and have the tools they need, to use manipulatives to strengthen their students' math skills.

Seeking approval for:

- \_\_\_\_\_ recertification/relicensure
- \_\_\_\_\_ personal and/or professional growth
- \_\_\_\_\_ district or state requirement

Signature

Date