EDSC 542M: ADVANCED TEACHING METHODS FOR FOUNDATIONAL-LEVEL MATH

Are you a Multiple Subject or Education Specialist credentialed teacher looking to earn authorization in Foundational-Level Mathematics?
Are you a Master's student with an interest in advancing your knowledge of mathematics curricula and pedagogy?

If so, this advanced methods course is especially for you!

COURSE OBJECTIVES

- Understand theories of learning and how these guide instructional practices to support Common Core math.
- Build an awareness of and ability to enact instructional strategies that support mathematics learning for all students.
- Write mathematics units and daily lesson plans that are well-aligned with Common Core math standards and varied modes of assessment including open response items and the use of writing.
- Create instructional plans that exhibit a variety of teaching strategies including an emphasis on engaging students in mathematical discourse and eliciting student thinking.
- Develop the ability to diagnose mathematical misunderstandings held by students and create learning opportunities to resolve those misunderstandings.

Pre-Requisites to Enroll (to be verified by instructor):

1. **YOU MUST HAVE AN EXISTING CREDENTIAL or HAVE COMPLETED A PRELIMINARY MATH METHODS COURSE (e.g., part of Multiple Subject credential program coursework); AND**
2. **YOU MUST HAVE PASSED AT LEAST ONE SUBTEST OF THE CSET MATH EXAM or EARNED CREDIT FOR 1 SEMESTER OF PRE-CALCULUS or STATISTICS.**

COURSE SCHEDULE

Start Date: 07-07-2015
End Date: 08-06-2015
Tues, Wed, Thurs 4:00 to 6:50 PM

For enrollment information:
http://www.summer.fullerton.edu
For course information:
Mark Ellis, Ph.D.
mellis@fullerton.edu